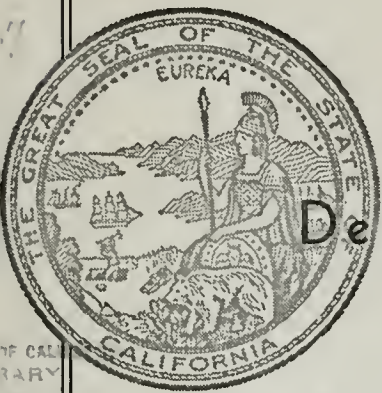


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BULLETIN No. 130-67

HYDROLOGIC DATA: 1967

Volume IV: SAN JOAQUIN VALLEY

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SEPTEMBER 1968

NORMAN B. LIVERMORE, JR.
Administrator
The Resources Agency

RONALD REAGAN
Governor
State of California

WILLIAM R. GIANELLI
Director
Department of Water Resources

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FOREWORD

The data collection programs of the Department of Water Resources have been designed to supplement the activities of other agencies to satisfy specific needs of the State. Bulletin No. 130-67 presents useful, comprehensive, accurate, and timely hydrologic data which are prerequisites for effective planning, design, construction, and operation of water facilities.

The Bulletin No. 130 series is published annually in five volumes. Each volume presents hydrologic data for one of five reporting areas of the State. These areas are delineated on the map to the left.



William R. Gianelli, Director
Department of Water Resources
State of California

July 19, 1968

METRIC CONVERSION TABLE

| ENGLISH UNIT | EQUIVALENT METRIC UNIT | |
|-----------------------------------|-------------------------------------|----------------------------|
| Inch (in) | 2.54 | Centimeters |
| Foot (ft) | 0.3048 | Meter |
| Mile (mi) | 1.609 | Kilometers |
| Acre | 0.405 | Hectare |
| Square mile (sq. mi.) | 2.590 | Square kilometer |
| U. S. gallon (gal) | 3.785 | Liters |
| Acre-foot (acre-ft) | 1,233.5 | Cubic meters |
| U. S. gallon per minute (gpm) | 0.0631 | Liters per second |
| Cubic feet per second (cfs) | 1.699 | Cubic meters per minute |
| 1 part per million (ppm) | Milligram per liter (mg/l) | |
| 1 part per billion (ppb) | Microgram per liter (ug/l) | |
| 1 part per trillion (ppt) | Nanogram per liter (ng/l) | |
| 1 equivalent per million (epm) | Milliequivalent per liter (me/l) | |

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(Bound at end of volume)

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| 3 | Map of 18 Historic Ground Water Areas in San Joaquin Valley and Profiles Along Section A-A' Showing Ground Water Levels in 1921, 1951, 1967 |
| 4 | Lines of Equal Elevation of Water in Wells, San Joaquin Valley, Spring 1967 |

State of California
The Resources Agency
Department of Water Resources

RONALD REAGAN, Governor
WILLIAM R. GIANELLI, Director, Department of Water Resources

This report prepared under the direction of
JOHN R. TEERINK, Deputy Director

by the

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Water Resources Evaluation Branch

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- U. S. Weather Bureau
- U. S. Bureau of Reclamation
- U. S. Army Corps of Engineers
- U. S. Geological Survey
- State Department of Public Health
- City and County of San Francisco
- City of Modesto
- Kern County Water Agency
- Kern County Land Company
- Buena Vista Water Storage District
- Modesto Irrigation District
- Turlock Irrigation District
- Oakdale Irrigation District
- Merced Irrigation District
- Fresno Irrigation District
- Kings River Water Association
- Central California Irrigation District
- Tule River Association
- Fresno County Health Department
- Kern County Health Department
- Tulare County Health Department
- Kern County Parks and Recreation

ABSTRACT

Report contains tables showing data on climate, surface water flow, ground water levels, ground water recharge, and surface and ground water quality in the San Joaquin Valley for the 1966-67 water year. Figures show location of climatological, surface water, and surface water quality measurement stations; fluctuation of water levels in selected wells and areas; and electrical conductance at selected stations. Plates show lines of equal elevation of water in wells, spring 1967; profile of ground water levels; cooperative study area; ground water level changes; and well locations.

APPENDIX A
CLIMATOLOGICAL DATA

INTRODUCTION

This appendix summarizes monthly precipitation, temperature, wind movement, and evaporation data for the San Joaquin Valley from July 1, 1966 to September 30, 1967. Storage gage precipitation data are annual values. Thirty-two cooperating agencies and 93 local observers supplied the data for the 352 stations reported. Detailed daily and hourly data for some stations, not published here, are available in the files of the Department of Water Resources.

To insure accuracy, stations are inspected annually or semiannually to see that the equipment is properly maintained and that observations generally are taken in accordance with U. S. Weather Bureau standards.

Each station in this appendix has been assigned an identification number. The first two digits denote the drainage basin as shown below. The remaining digits denote the alphabetical sequence of the station.

HYDROGRAPHIC AREA B

SAN JOAQUIN RIVER BASIN

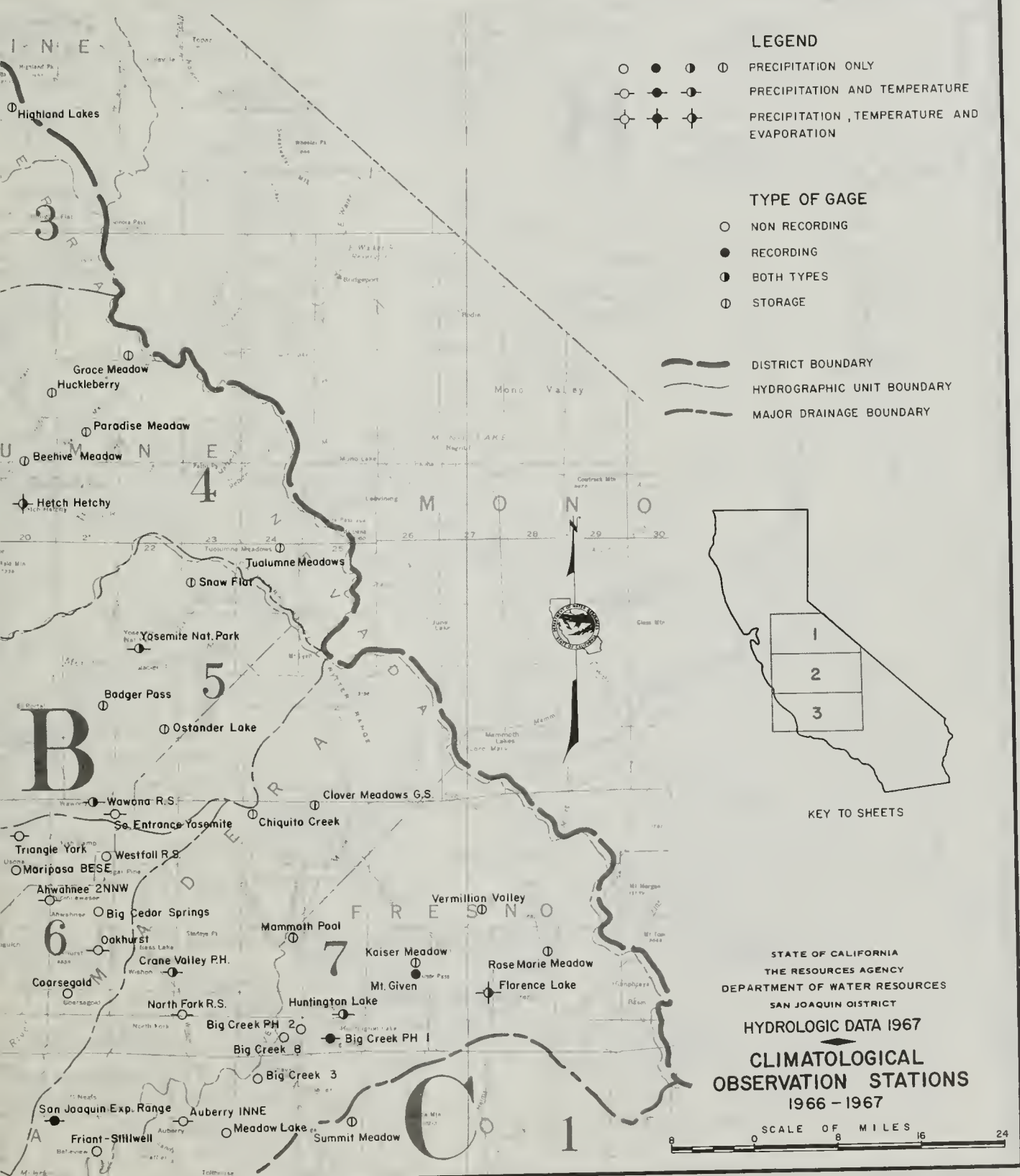
B0 - San Joaquin Valley Floor
B3 - Stanislaus River
B4 - Tuolumne River
B5 - Merced River
B6 - Fresno-Chowchilla Rivers
B7 - San Joaquin River
B8 - San Joaquin Valley on West Side

HYDROGRAPHIC AREA C

TULARE LAKE DRAINAGE BASIN

C0 - Tulare Lake Valley Floor
C1 - Kings River
C2 - Kaweah River
C3 - Tule River
C4 - Greenhorn Mountains
C5 - Kern River
C6 - Tehachapi Mountains
C7 - Tulare Lake Basin on West Side









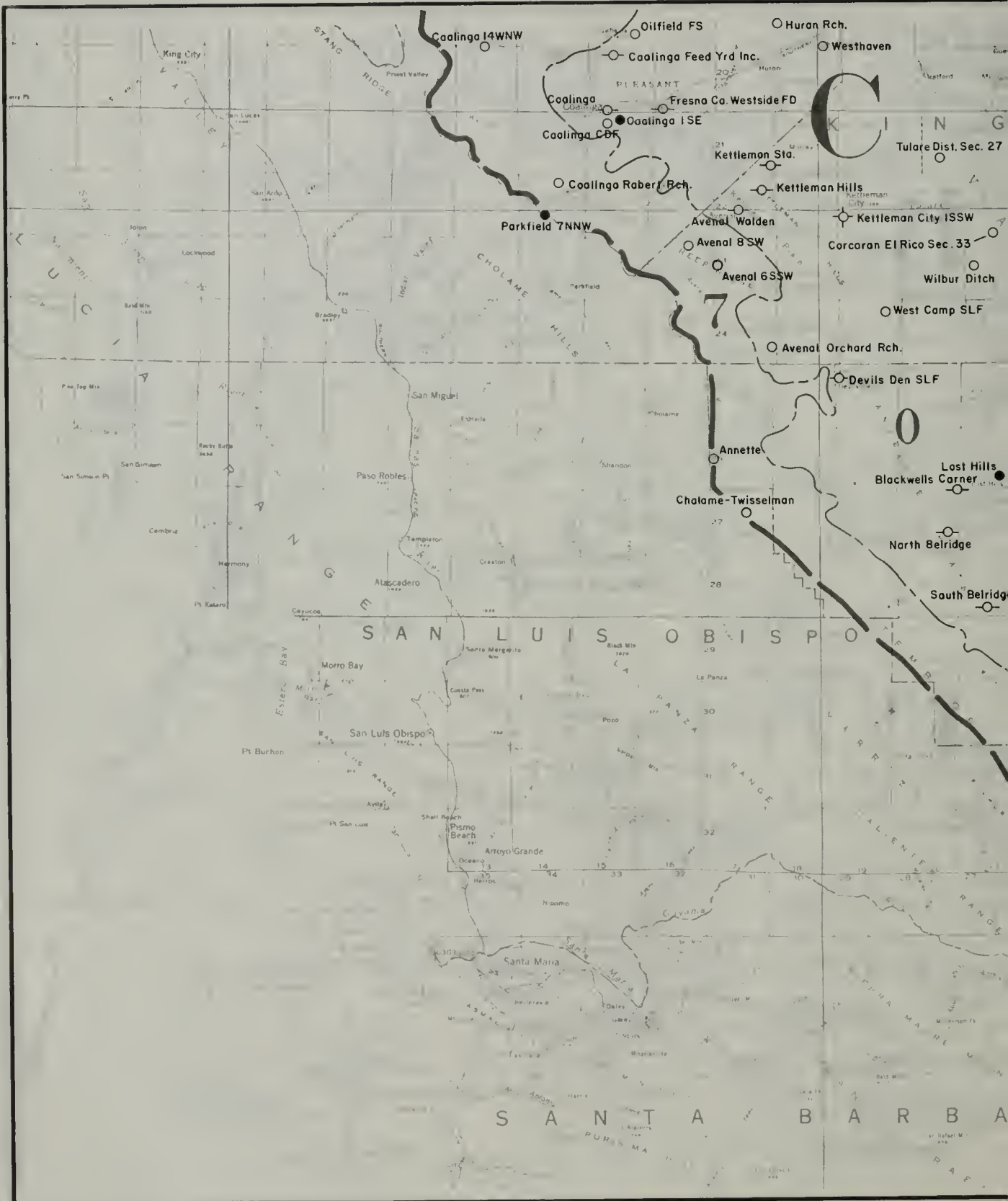




TABLE A-1

INDEX OF CLIMATOLOGICAL STATIONS

An explanation of the column headings and code symbols used in connection with this table follows:

40-Acre Tract. This denotes the location of the station within the section in which it is located. The letter code is derived from the following diagram:

| | | | |
|---|---|---|---|
| D | C | B | A |
| E | F | G | H |
| M | L | K | J |
| N | P | Q | R |

Base and Meridian. The code for this column is as follows:

M - Mount Diablo Base and Meridian

S - San Bernardino Base and Meridian

Cooperators' Numbers. These numbers are assigned from the following list:

- 000 - Private Cooperators
- 001 - 399 Private Agencies
 - 001 Kern County Land Company
 - 002 Boswell Company
 - 003 P. G. and E. Company
 - 004 Southern California Edison Company
 - 005 California Electric Power Company
 - 010 Amateur Radio Weather Network KTRB
 - 011 Southern Pacific Company
 - 012 Miller and Lux, Inc.
 - 013 Mr. Roger C. Rice
- 400 - 799 Counties and municipalities
 - 401 Hetch Hetchy Water District
 - 404 Oakdale Irrigation District
 - 405 City of Los Angeles, Department of Water & Power
 - 420 Stanislaus County
- 800 - 899 State
 - 801 Pomology Department, University of California, Davis
 - 804 Division of Beaches and Parks
 - 805 State Department of Fish and Game
 - 806 Department of Water Resources, Land & Water Use
 - 808 Division of Forestry
 - 809 Division of Highways
 - 812 Regional Subsidence Exploration, Department of Water Resources

TABLE A-1 (Continued)

| | |
|-----------|--|
| 814 | University of California, Davis, Westside Field Station |
| 815 | University of California, School of Forestry |
| 900 - 999 | Federal |
| 900 | U. S. Weather Bureau (Climate Data) |
| 902 | U. S. Air Force, Air Weather Service |
| 903 | U. S. Army Corps of Engineers, Sacramento |
| 904 | U. S. Bureau of Reclamation |
| 905 | U. S. Forest Service |
| 906 | U. S. Department of Agriculture, Agricultural Research Service |
| 907 | State Climatologist & Unpublished (U.S.W.B.) |
| 916 | U. S. Geological Survey |

Cooperators' (Coop) Index Numbers. These are the numbers assigned to the stations by the agencies responsible for handling the station records. With few exceptions, the alpha order numbers assigned to the U. S. Weather Bureau stations are the same as those used by the Weather Bureau. The U. S. Weather Bureau station number is shown in this column only when it differs from the alpha order number.

Record Began. This is shown to year only.

Record Ended. If record continues this column is left blank.

Years Missing. This denotes missing record to the nearest full year.

County Code. Numbers used to designate specific counties are listed below:

| | |
|-----------------|----|
| Alpine | 02 |
| Calaveras | 05 |
| Fresno | 10 |
| Inyo | 14 |
| Kern | 15 |
| Kings | 16 |
| Madera | 20 |
| Mariposa | 22 |
| Merced | 24 |
| San Benito | 35 |
| San Joaquin | 39 |
| San Luis Obispo | 40 |
| Stanislaus | 50 |
| Tulare | 54 |
| Tuolumne | 55 |
| Ventura | 56 |

TABLE A-I
INDEX OF CLIMATOLOGICAL STATIONS
SAN JOAQUIN VALLEY

| Station | | Elevation (in Feet) | Section | Township | Range | 40-Acre Tract | Base & Meridian | Latitude | | | Longitude | | | Cooperator Number | Cooperator's Index Number | Record Began | Record Ended | Years Missing | County Code |
|------------|-----------------------|------------------------|---------|----------|-------|---------------|-----------------|----------|----|-----|-----------|----|-----|----------------------|---------------------------------|-----------------|-----------------|------------------|----------------|
| Number | Name | | | | | | | 0 | I | II | 0 | I | II | | | | | | |
| C1 0009 | ACADEMY | 545 | SEC 14 | T12S | R22E | P | M | 36 | 52 | 58 | 119 | 32 | 25 | 000 | | 1958 | | | 10 |
| B6 0049 | AHWAHNEE 2 NNW | 2680 | SEC 24 | T06S | R20E | M | 37 | 23 | 22 | 119 | 44 | 07 | 907 | 040049 | 1959 | | | 20 | |
| C0 0204 | ANGIOLA | 205 | SEC 27 | T22S | R23E | D | M | 35 | 59 | 25 | 119 | 28 | 42 | 900 | | 1899 | | 54 | |
| B3 0209 | ANGELS CAMP | 1535 | SEC 34 | T03N | R13E | E | M | 38 | 04 | 20 | 120 | 32 | 18 | 003 | | 1967 | | 05 | |
| C7 0215 | ANNETTE | 2140 | SEC 19 | T26S | R17E | R | M | 35 | 38 | 48 | 120 | 10 | 12 | 000 | | 1952 | | 15 | |
| C0 0332 | ARVIN | 445 | SEC 23 | T31S | R29E | M | 35 | 12 | 00 | 118 | 49 | 00 | 000 | | 1936 | | | 15 | |
| C2 0343 | ASH MOUNTAIN | 1708 | SEC 34 | T16S | R29E | L | M | 36 | 29 | 30 | 118 | 49 | 35 | 900 | | 1925 | | 54 | |
| B0 0373-80 | ATWATER CRAIG | 150 | SEC 02 | T07S | R12E | M | 37 | 21 | | 120 | 37 | | 000 | | 1961 | | | 24 | |
| C2 0374 | ATWELL | 6400 | SEC 12 | T17S | R30E | M | 36 | 28 | 00 | 118 | 40 | 00 | 900 | | 1948 | | | 54 | |
| B7 0379 | AUBERRY 1 NNE | 2010 | SEC 06 | T10S | R23E | H | M | 37 | 05 | 30 | 119 | 29 | 50 | 900 | | 1915 | | | 10 |
| C0 0396-02 | AVENAL WALDEN | 810 | SEC 21 | T22S | R17E | A | M | 36 | 00 | 21 | 120 | 07 | 50 | 000 | | 1957 | | | 16 |
| C0 0399 | AVENAL ORCHARD RCH | 712 | SEC 25 | T24S | R17E | P | M | 35 | 48 | 23 | 120 | 05 | 18 | 000 | | 1919 | | | 16 |
| C7 0399-01 | AVENAL 8 SW | 1424 | SEC 03 | T23S | R16E | G | M | 35 | 57 | 33 | 120 | 13 | 25 | 000 | | 1957 | | | 16 |
| C7 0399-02 | AVENAL 6 SSW | 1565 | SEC 18 | T23S | R17E | K | M | 35 | 55 | 30 | 120 | 10 | 05 | 000 | | 1953 | | | 16 |
| C2 0422 | BADGER | 3030 | SEC 11 | T15S | R27E | P | M | 36 | 37 | 53 | 119 | 00 | 46 | 900 | | 1940 | | | 54 |
| B5 0425 | BADGER PASS | 7300 | SEC 22 | T03S | R21E | M | 37 | 40 | 00 | 119 | 40 | 00 | 900 | | 1941 | | | 22 | |
| C0 0440 | BAKERSFIELD 1 W | 400 | SEC 26 | T29S | R27E | H | M | 35 | 22 | 41 | 119 | 02 | 17 | 900 | | 1913 | | | 15 |
| C0 0442 | BAKERSFIELD WB AP | 494 | SEC 02 | T29S | R27E | Q | M | 35 | 25 | 38 | 119 | 02 | 34 | 900 | | 1933 | | | 15 |
| C1 0449 | BALCH POWERHOUSE | 1720 | SEC 12 | T12S | R26E | B | M | 36 | 54 | 33 | 119 | 05 | 15 | 900 | | 1921 | | | 10 |
| C6 0466 | BALLINGER | 4240 | SEC 07 | T09N | R23W | B | S | 34 | 53 | 03 | 119 | 22 | 26 | 000 | 000003 | 1961 | | | 15 |
| C1 0534 | BARTON FLAT | 3760 | SEC 01 | T13S | R28E | M | 36 | 49 | | 118 | 53 | | 900 | | 1961 | | | 10 | |
| B5 0570-80 | BEAR VALLEY | 2600 | SEC 20 | T04S | R17E | M | 37 | 34 | | 120 | 07 | | 903 | | 1960 | | | 22 | |
| B3 0573 | BEARDSLEY DAM | 3164 | SEC 14 | T04N | R17E | M | 38 | 12 | 12 | 120 | 04 | 30 | 404 | | 1959 | | | 55 | |
| C2 0596 | BEARTRAP MEADOW | 6800 | SEC 29 | T14S | R29E | M | 36 | 41 | 00 | 118 | 52 | 00 | 900 | | 1959 | | | 54 | |
| B4 0617 | BEEHIVE MEADOW | 6500 | SEC 28 | T02N | R20E | M | 38 | 00 | 00 | 119 | 47 | 00 | 900 | | 1947 | | | 55 | |
| C0 0631 | BELLEVUE | 369 | SEC 07 | T30S | R27E | B | M | 35 | 20 | 11 | 119 | 05 | 27 | 001 | | 1961 | | | 15 |
| C1 0676 | BENNER RANCH | 3525 | SEC 27 | T14S | R27E | C | M | 36 | 41 | 05 | 119 | 01 | 50 | 000 | | 1967 | | | 10 |
| B6 0753-80 | BIG CEDAR SPRINGS | 3280 | SEC 26 | T06S | R21E | A | M | 37 | 23 | 14 | 119 | 37 | 56 | 000 | | 1964 | 1967 | | 20 |
| B7 0755 | BIG CREEK PH 1 | 4930 | SEC 28 | T08S | R25E | J | M | 37 | 12 | 15 | 119 | 14 | 20 | 900 | | 1915 | | | 10 |
| B7 0755-01 | BIG CREEK PH 2 | 3000 | SEC 25 | T08S | R24E | N | M | 37 | 11 | 59 | 119 | 18 | 19 | 004 | | 1913 | | | 10 |
| B7 0755-02 | BIG CREEK PH 3 | 1400 | SEC 17 | T09S | R24E | E | M | 37 | 08 | 54 | 119 | 23 | 00 | 004 | | 1922 | | | 10 |
| B7 0755-05 | BIG CREEK PH 8 | 2260 | SEC 27 | T08S | R24E | G | M | 37 | 12 | 00 | 119 | 20 | 00 | 004 | | 1921 | | | 10 |
| C0 0875 | BLACKWELLS CORNER | 644 | SEC 01 | T27S | R20E | A | M | 35 | 36 | 53 | 119 | 52 | 02 | 900 | 040875 | 1944 | 13 | 15 | |
| C1 0880-80 | BLASINGAME | 1050 | SEC 22 | T11S | R23E | M | 36 | 57 | 37 | 119 | 26 | 45 | 808 | | 1961 | | | 10 | |
| C5 0981 | BOREL PH | 2280 | SEC 10 | T27S | R32E | M | 35 | 35 | 00 | 118 | 31 | 00 | 000 | | 1905 | 1967 | | 15 | |
| C1 1069-11 | BRETZ MILL | 3250 | SEC 27 | T10S | R25E | D | M | 37 | 02 | 18 | 119 | 14 | 24 | 905 | | 1960 | | | 10 |
| C0 1174 | BUENA VISTA RCH | 310 | SEC 04 | T30S | R25E | R | M | 35 | 21 | 00 | 119 | 19 | 00 | 001 | | 1944 | | | 15 |
| C0 1175 | BUENA VISTA RCH M&L | 290 | SEC 28 | T31S | R26E | N | M | 35 | 11 | 42 | 119 | 11 | 43 | 002 | | 1955 | | | 15 |
| C0 1175-80 | BUENA VISTA RCH M&L 2 | 290 | SEC 08 | T31S | R25E | R | M | 35 | 14 | 25 | 119 | 18 | 23 | 002 | | 1962 | | | 15 |
| C6 1199-01 | BURGESS CORRALS | 1600 | SEC 02 | T10N | R23W | N | S | 34 | 58 | 28 | 119 | 18 | 38 | 000 | 000001 | 1960 | | | 15 |
| C0 1244 | BUTTONWILLOW | 268 | SEC 14 | T29S | R23E | K | M | 35 | 24 | 00 | 119 | 28 | 00 | 900 | | 1940 | | | 15 |
| B3 1280 | CALAVERAS RANGER STA | 3343 | SEC 18 | T04N | R15E | L | M | 38 | 11 | 50 | 120 | 21 | 55 | 900 | | 1944 | | | 05 |
| C3 1425 | CAMP NELSON | 4560 | SEC 32 | T20S | R31E | R | M | 36 | 08 | 17 | 118 | 37 | 36 | 000 | | 1959 | | | 54 |
| C0 1479 | CANFIELD RANCH | 334 | SEC 26 | T30S | R26E | N | M | 35 | 16 | 58 | 119 | 09 | 41 | 001 | | 1952 | 1967 | | 15 |
| C0 1490 | CANTUA RANCH | 295 | SEC 06 | T17S | R15E | N | M | 36 | 28 | 35 | 120 | 23 | 20 | 000 | | 1955 | | | 10 |
| C0 1557 | CARUTHERS 4 E | 265 | SEC 14 | T16S | R20E | B | M | 36 | 32 | 48 | 119 | 45 | 30 | 000 | | 1960 | | | 10 |
| B0 1580 | CASTLE A F B | 170 | SEC 32 | T06S | R13E | L | M | 37 | 22 | 03 | 120 | 34 | 20 | 902 | | 1951 | | | 24 |
| B8 1583 | CASTLE ROCK RAD LAB | 625 | SEC 34 | T03S | R04E | M | 37 | 38 | 00 | 121 | 32 | 00 | 000 | | 1956 | | | 39 | |
| B6 1588 | CATHEYS VAL BULLRUN R | 1425 | SEC 24 | T06S | R17E | H | M | 37 | 23 | 56 | 120 | 03 | 08 | 900 | | 1940 | | | 22 |
| B5 1588-03 | CATHEYS VALLEY 3 NNW | 1250 | SEC 28 | T05S | R17E | B | M | 37 | 28 | 33 | 120 | 06 | 33 | 000 | | 1957 | | | 22 |
| B6 1590 | CATHEYS VALLEY SAWYER | 1275 | SEC 10 | T06S | R17E | C | M | 37 | 25 | 53 | 120 | 05 | 40 | 000 | | 1957 | | | 22 |
| B6 1591 | CATHEYS VAL STONHOUSE | 1210 | SEC 14 | T06S | R17E | M | M | 37 | 24 | 30 | 120 | 05 | 00 | 000 | | 1951 | | | 22 |
| C5 1647 | CHAGOOPA | 10390 | | T16S | R33E | M | 36 | 30 | | 118 | 27 | | 901 | | 1964 | | | 54 | |
| B4 1697 | CHERRY VALLEY DAM | 4765 | SEC 05 | T01N | R19E | L | M | 37 | 58 | 00 | 119 | 55 | 00 | 900 | | 1955 | | | 55 |
| B7 1737 | CHIQUEITO CREEK | 7290 | SEC 07 | T05S | R24E | N | M | 37 | 30 | 20 | 119 | 23 | 21 | | 1961 | | | 20 | |
| C7 1743-02 | CHOLAME TWISSELMAN | 1675 | SEC 15 | T27S | R17E | R | M | 35 | 35 | 00 | 120 | 07 | 00 | 000 | | 1951 | | | 40 |
| C6 1754 | CHUCHAPATE R S | 5260 | SEC 04 | T08N | R20W | S | 34 | 48 | 00 | 119 | 01 | 00 | 900 | | 1941 | | | 56 | |
| C0 1770-80 | CITRUS | 660 | SEC 13 | T11N | R20W | M | S | 35 | 02 | 18 | 118 | 58 | 28 | 001 | | 1963 | | | 15 |
| B7 1844 | CLOVER MEADOWS | 7002 | SEC 06 | T05S | R25E | M | 37 | 32 | | 119 | 17 | | 900 | | 1946 | | | 20 | |
| C0 1864 | COALINGA | 671 | SEC 32 | T20S | R15E | P | M | 36 | 09 | 00 | 120 | 21 | 00 | 900 | | 1942 | | | 10 |
| C7 1864-02 | COALINGA ROBERTS RCH | 1350 | SEC 03 | T22S | R14E | R | M | 36 | 02 | 18 | 120 | 26 | 40 | 000 | | 1953 | | | 10 |
| C0 1867 | COALINGA 1 SE | 663 | SEC 04 | T21S | R15E | J | M | 36 | 07 | 39 | 120 | 20 | 38 | 900 | | 1911 | | | 10 |
| C7 1869 | COALINGA 14 WNW | 1640 | SEC 33 | T19S | R13E | M | 36 | 14 | 00 | 120 | 34 | 00 | 900 | | 1949 | | | 10 | |
| C0 1870-80 | COALINGA CDF | 690 | SEC 05 | T21S | R15E | Q | M | 36 | 08 | 03 | 120 | 22 | 00 | 808 | | 1961 | | | 10 |
| C0 1871-80 | COALINGA FEED YRDS IN | 1000 | SEC 04 | T20S | R15E | D | M | 36 | 13 | 23 | 120 | 21 | 12 | 806 | | 1964 | | | 10 |
| B6 1878 | COARSEGOLD | 2363 | SEC 05 | T08S | R21E | M | 37 | 16 | 00 | 119 | 42 | 00 | 907 | 041878 | 1952 | | | 20 | |
| C0 1885 | COIT RANCH HDQ | 278 | SEC 20 | T14S | R14E | D | M | 36 | 42 | 20 | 120 | 28 | 25 | 000 | | 1954 | | | 10 |
| B3 2003 | COPPEROPOLIS | 1000 | SEC 34 | T02N | R12E | K | M | 37 | 59 | 00 | 120 | 38 | 00 | 903 | | 1954 | | 03 | 05 |
| C0 2012 | CORCORAN IRRIG DIST | 200 | SEC 15 | T21S | R22E | P | M | 36 | 05 | 53 | 119 | 34 | 51 | 900 | | 1912 | | | 16 |
| C0 2013 | CORCORAN EL RICO 1 | 185 | SEC 01 | T22S | R21E | J | M | 36 | 02 | 36 | 119 | 38 | 42 | 002 | | 1958 | | | 16 |

TABLE A-I (Cont.)
INDEX OF CLIMATOLOGICAL STATIONS
SAN JOAQUIN VALLEY

| Station | | Elevation (in Feet) | Section | Township | Range | 40-Acre Tract Base & Meridian | Latitude | | | Longitude | | | Cooperator Number | Cooperator's Index Number | Record Began | Record Ended | Years Missing | County Code |
|------------|-----------------------|------------------------|---------|----------|-------|----------------------------------|----------|----|----|-----------|----|----|----------------------|---------------------------------|-----------------|-----------------|------------------|----------------|
| Number | Name | | | | | | 0 | I | II | 0 | I | II | | | | | | |
| C0 2013-05 | CORCORAN EL RICO 33 | 190 | SEC 33 | T22S | R21E | Q M | 35 | 57 | 49 | 119 | 42 | 14 | 002 | | 1951 | | | 16 |
| B5 2072 | COULTERVILLE FFS | 1870 | SEC 33 | T02S | R16E | A M | 37 | 43 | 25 | 120 | 12 | 12 | 808 | | 1959 | | | 22 |
| C5 2114 | CRABTREE MEADOW | 10700 | SEC 01 | T16S | R33E | M | 36 | 34 | 00 | 118 | 21 | 00 | 900 | | 1948 | | | 54 |
| B7 2122 | CRANE VALLEY PH | 3440 | SEC 25 | T07S | R22E | M | 37 | 17 | 26 | 119 | 31 | 35 | 003 | | 1903 | | | 20 |
| C6 2222-80 | CUMMINGS VALLEY 2 | 3825 | SEC 30 | T32S | R32E | G M | 35 | 07 | | 118 | 35 | | 806 | | 1961 | | | 15 |
| B6 2288 | DAULTON | 410 | SEC 26 | T09S | R18E | E M | 37 | 07 | 18 | 119 | 59 | 00 | 000 | | 1946 | | | 20 |
| C0 2346 | DELANO | 323 | SEC 11 | T25S | R25E | A M | 35 | 46 | 23 | 119 | 14 | 37 | 900 | | 1876 | | | 15 |
| B8 2369 | DEL PUERTO ROAD CAMP | 1125 | SEC 12 | T06S | R05E | Q M | 37 | 25 | 24 | 121 | 22 | 42 | 900 | | 1958 | | | 50 |
| B0 2375 | DELTA RANCH | 90 | SEC 26 | T09S | R11E | M | 37 | 07 | 00 | 120 | 44 | 00 | 000 | | 1949 | | 01 | 24 |
| B0 2389-05 | DENAIR 3 NNE | 137 | SEC 20 | T04S | R11E | M | 37 | 34 | | 120 | 47 | | 900 | | 1964 | | | 50 |
| B0 2389-20 | DENAIR CHANCE | 165 | SEC 20 | T05S | R12E | E M | 37 | 29 | 18 | 120 | 40 | 47 | 000 | | 1965 | | | 24 |
| B0 2389 | DENAIR DAVISON RCH | 250 | SEC 12 | T05S | R12E | D M | 37 | 30 | 55 | 120 | 36 | 40 | 000 | | 1965 | | | 24 |
| C0 2408 | DEVILS DEN SLF | 500 | SEC 07 | T25S | R19E | M | 35 | 45 | 55 | 119 | 58 | 22 | 000 | | 1959 | | | 15 |
| C0 2436 | DIGIORGIO | 483 | SEC 10 | T31S | R29E | B M | 35 | 15 | 08 | 118 | 51 | 00 | 000 | | 1937 | | | 15 |
| C0 2440-01 | DINUBA ALTA I D | 334 | SEC 17 | T16S | R24E | D M | 36 | 32 | 32 | 119 | 23 | 30 | 000 | | 1944 | | | 54 |
| C7 2464 | DOMENGINE RCH | 1000 | SEC 29 | T18S | R15E | A M | 36 | 20 | 24 | 120 | 21 | 30 | 000 | | 1959 | | | 10 |
| C7 2464-01 | DOMENGINE SPRING | 1700 | SEC 25 | T18S | R14E | K M | 36 | 19 | 53 | 120 | 24 | 04 | 000 | | 1958 | | | 10 |
| B4 2473 | DON PEDRO RESERVOIR | 700 | SEC 35 | T02S | R14E | E M | 37 | 43 | 00 | 120 | 24 | 18 | 904 | | 1940 | | | 55 |
| C3 2492 | DOUBLEBUNK MEADOW | 6200 | SEC 11 | T23S | R31E | M | 35 | 57 | 00 | 118 | 36 | 00 | 900 | | 1955 | | | 54 |
| B5 2539 | DUDLEYS | 3000 | SEC 21 | T02S | R17E | D M | 37 | 45 | 14 | 120 | 06 | 30 | 900 | | 1909 | | | 22 |
| C1 2577 | DUSY BENCH | 9470 | | T10S | R31E | M | 37 | 06 | | 118 | 35 | | 901 | | 1964 | | | 10 |
| C3 2591 | EAGLE CREEK | 6650 | | T22S | R31E | M | 35 | 59 | | 118 | 39 | | 903 | | 1964 | | | 54 |
| B4 2609 | EARLY INTAKE PH | 2356 | SEC 11 | T01S | R18E | C M | 37 | 52 | 30 | 119 | 57 | 25 | 401 | | 1925 | | | 55 |
| C0 2752-80 | EIGHTH STAND RCH | 338 | SEC 36 | T32S | R27E | M | 35 | 06 | 05 | 119 | 01 | 45 | 001 | | 1963 | | | 15 |
| B0 2820 | EL SOLYO RCH | 50 | SEC 06 | T04S | R07E | B M | 37 | 37 | 24 | 121 | 14 | 09 | 000 | | 1953 | | | 50 |
| B0 2860 | ESCALON SWANSON | 125 | SEC 03 | T02S | R09E | L M | 37 | 47 | 20 | 121 | 58 | 15 | 000 | | 1944 | | | 39 |
| B5 2920 | EXCHEQUER RESERVOIR | 484 | SEC 13 | T04S | R15E | L M | 37 | 35 | 06 | 120 | 16 | 11 | 900 | | 1935 | | | 22 |
| C0 2922 | EXETER FAUVER RCH | 439 | SEC 20 | T18S | R27E | D M | 36 | 21 | 28 | 119 | 04 | 45 | 900 | | 1938 | | | 54 |
| B0 2968 | FANCHER RCH CAMP 3 | 225 | SEC 16 | T07S | R16E | N M | 37 | 19 | 04 | 120 | 20 | 04 | 000 | | 1959 | | | 24 |
| C7 3005 | FELLOWS | 1340 | SEC 06 | T32S | R23E | C M | 35 | 10 | 44 | 119 | 32 | 39 | 000 | | 1956 | | | 15 |
| B0 3063 | FIREBAUGH 9 W | 185 | SEC 26 | T12S | R12E | R M | 36 | 51 | 04 | 120 | 37 | 03 | 000 | | 1934 | | | 10 |
| C0 3083 | FIVE POINTS 5 SSW | 276 | SEC 17 | T18S | R17E | M | 36 | 21 | 48 | 120 | 09 | 22 | 900 | | 1942 | | | 10 |
| C0 3084 | FIVE POINTS DIENER | 263 | SEC 10 | T18S | R17E | R M | 36 | 22 | 20 | 120 | 06 | 12 | 000 | | 1933 | | | 10 |
| B7 3093 | FLORENCE LAKE | 7345 | SEC 36 | T07S | R27E | N M | 37 | 16 | 27 | 118 | 58 | 27 | 900 | | 1940 | | | 10 |
| C0 3207 | FOUNTAIN SPRINGS R S | 800 | SEC 26 | T23S | R28E | Q M | 35 | 53 | 31 | 118 | 55 | 58 | 808 | | 1965 | | | 54 |
| C0 3257 | FRESNO WB AP | 331 | SEC 30 | T13S | R21E | J M | 36 | 46 | 10 | 119 | 43 | 02 | 900 | | 1899 | | | 10 |
| C0 3258-80 | FRESNO CO WESTSIDE FD | 600 | SEC 31 | T20S | R16E | Q M | 36 | 08 | 27 | 120 | 16 | 22 | 806 | | 1963 | | | 10 |
| B7 3261 | FRIANT GOVERNMENT CP | 410 | SEC 07 | T11S | R21E | A M | 36 | 59 | 00 | 119 | 43 | 00 | 900 | | 1896 | | | 10 |
| B7 3261-05 | FRIANT STILLWELL | 1009 | SEC 23 | T10S | R21E | B M | 37 | 03 | 07 | 119 | 38 | 48 | 000 | | 1965 | | | 20 |
| C2 3397 | GIANT FOREST | 6412 | SEC 06 | T16S | R30E | E M | 36 | 34 | 05 | 118 | 46 | 01 | 900 | | 1921 | | | 54 |
| C0 3428-01 | GIN YARD | 295 | SEC 12 | T32S | R25E | R M | 35 | 09 | 12 | 119 | 14 | 10 | 002 | | 1960 | | | 15 |
| C4 3463 | GLENNVILLE | 3140 | SEC 25 | T25S | R30E | F M | 35 | 43 | 28 | 118 | 42 | 07 | 900 | | 1951 | | | 15 |
| C4 3465 | GLENNVILLE FULTON RS | 3500 | SEC 29 | T25S | R31E | H M | 35 | 44 | 00 | 118 | 40 | 00 | 900 | | 1940 | | | 15 |
| B4 3529 | GRACE MEADOW | 8900 | SEC 31 | T04N | R22E | M | 38 | 09 | 00 | 119 | 36 | 00 | 900 | | 1947 | | | 55 |
| C1 3551 | GRANT GROVE | 6580 | SEC 32 | T13S | R28E | N M | 36 | 44 | 29 | 118 | 57 | 40 | 900 | | 1924 | | | 54 |
| B5 3586-05 | GREELEY HILL 1 N | 3060 | SEC 17 | T02S | R17E | F M | 37 | 45 | 55 | 120 | 07 | 40 | 000 | | 1965 | | | 22 |
| B4 3669 | GROVELAND 2 | 2825 | SEC 21 | T01S | R16E | E M | 37 | 50 | 00 | 120 | 14 | 00 | 900 | | 1940 | | | 55 |
| B4 3672 | GROVELAND R S | 3135 | SEC 27 | T01S | R17E | L M | 37 | 49 | 00 | 120 | 06 | 00 | 900 | PN9065 | 1940 | | | 55 |
| B0 3690-02 | GUSTINE 5 SW | 145 | SEC 24 | T08S | R08E | F M | 37 | 13 | 26 | 121 | 02 | 37 | 000 | | 1927 | | | 24 |
| B0 3690-04 | GUSTINE SNYDER | 150 | SEC 35 | T08S | R08E | B M | 37 | 12 | 00 | 121 | 03 | 00 | 000 | | 1930 | | | 24 |
| B0 3694 | GUSTINE FOREMOST | 98 | SEC 08 | T08S | R09E | B M | 37 | 15 | 28 | 120 | 59 | 53 | 000 | | 1928 | | | 24 |
| B0 3698 | GUSTINE 7 SSW | 156 | SEC 01 | T09S | R08E | R M | 37 | 10 | 25 | 121 | 01 | 54 | 000 | | 1958 | | | 24 |
| C0 3747 | HANFORD | 242 | SEC 26 | T18S | R21E | P M | 36 | 19 | 43 | 119 | 39 | 55 | 900 | | 1899 | | | 16 |
| C0 3749 | HANFORD WELL #21 | 240 | SEC 26 | T18S | R21E | Q M | 36 | 20 | | 119 | 40 | | 000 | | 1964 | | | 16 |
| C1 3811-11 | HASLETT BASIN | 2400 | SEC 14 | T11S | R25E | K M | 36 | 58 | 18 | 119 | 12 | 54 | 905 | | 1960 | | | 10 |
| B4 3939 | HETCH HETCHY | 3870 | SEC 16 | T01N | R20E | G M | 37 | 56 | 42 | 119 | 46 | 54 | 900 | | 1910 | | | 55 |
| B6 3948 | HIDDEN VALLEY | 1750 | SEC 01 | T06S | R18E | J M | 37 | 26 | 00 | 119 | 56 | 24 | 000 | | 1949 | | | 22 |
| B3 3952 | HIGHLAND LAKES | 8700 | SEC 32 | T08N | R20E | Q M | 38 | 29 | 48 | 119 | 47 | 48 | 900 | 003954 | 1960 | | | 02 |
| B0 3981 | HILMAR | 90 | SEC 14 | T06S | R10E | M | 37 | 24 | 34 | 120 | 50 | 54 | 000 | | 1948 | | | 24 |
| C2 4012 | HOCKETT MEADOWS | 8500 | SEC 07 | T18S | R31E | E M | 36 | 22 | 00 | 118 | 39 | 00 | 900 | | 1959 | | | 54 |
| C0 4061-01 | HOMELAND DIST SEC 9 | 190 | SEC 09 | T23S | R22E | A M | 35 | 56 | 53 | 119 | 35 | 30 | 002 | | 1952 | | | 16 |
| C0 4061-03 | HOMELAND DIST SEC 34 | 196 | SEC 34 | T23S | R22E | R M | 35 | 53 | 43 | 119 | 34 | 24 | 002 | | 1951 | | | 16 |
| B5 4102-01 | HORNITOS ERICKSON RCH | 1150 | SEC 18 | T05S | R17E | Q M | 37 | 29 | 40 | 120 | 08 | 55 | 000 | | 1955 | | | 22 |
| B5 4103 | HORNITOS GILES RCH | 1050 | SEC 29 | T05S | R16E | H M | 37 | 28 | 10 | 120 | 14 | 00 | 000 | | 1939 | | | 22 |
| B5 4104-80 | HORNITOS USCE | 850 | SEC 17 | T05S | R16E | G M | 37 | 30 | 10 | 120 | 14 | 08 | 901 | | 1960 | | | 22 |
| C3 4120 | HOSSACK (RADIO) | 7100 | SEC 16 | T20S | R31E | M | 36 | 11 | 00 | 118 | 37 | 00 | 900 | | 1959 | | | 54 |
| B4 4148 | HUCKLEBERRY LAKE | 7800 | SEC 23 | T03N | R20E | M | 38 | 06 | 00 | 119 | 45 | 00 | 900 | | 1948 | | | 55 |
| B3 4170 | HUNTERS DAM | 3220 | SEC 18 | T04N | R15E | K M | 38 | 12 | 00 | 120 | 21 | 36 | 900 | | 1950 | | | 05 |
| B7 4176 | HUNTINGTON LAKE | 7020 | SEC 15 | T08S | R25E | R M | 37 | 13 | 45 | 119 | 13 | 10 | 900 | | 1915 | | | 10 |
| C0 4188 | HURON RANCH | 335 | SEC 22 | T19S | R17E | M | 36 | 15 | 41 | 120 | 06 | 05 | 000 | | 1951 | | | 10 |

TABLE A-I (Cont.)
INDEX OF CLIMATOLOGICAL STATIONS
SAN JOAQUIN VALLEY

| Station | | Elevation (in Feet) | Section | Township | Range | 40-Acre Tract Base & Meridian | Latitude | | | Longitude | | | Cooperator Number | Cooperator's Index Number | Record Began | Record Ended | Years Missing | County Code |
|------------|----------------------|------------------------|---------|----------|-------|----------------------------------|----------|----|----|-----------|----|----|----------------------|---------------------------------|-----------------|-----------------|------------------|----------------|
| Number | Name | | | | | | 0 | 1 | 11 | 0 | 1 | 11 | | | | | | |
| B8 4204 | IDRIA | 2650 | SEC 29 | T17S | R12E | J M | 36 | 24 | 58 | 120 | 40 | 17 | 900 | | 1918 | | | 35 |
| B5 4246 | INDIAN GULCH | 1000 | SEC 03 | T06S | R16E | J M | 37 | 26 | 18 | 120 | 11 | 46 | 000 | | 1952 | | | 22 |
| C5 4303 | ISABELLA DAM | 2660 | SEC 19 | T26S | R33E | P M | 35 | 38 | 46 | 118 | 28 | 45 | 903 | | 1949 | | | 15 |
| C0 4312 | IVANHOE I O | 370 | SEC 36 | T17S | R25E | R M | 36 | 24 | 15 | 119 | 12 | 21 | 000 | | 1954 | | | 54 |
| B5 4369 | JERSEYDALE G S | 3605 | SEC 35 | T04S | R19E | M | 37 | 32 | 36 | 119 | 50 | | 905 | | 1958 | | | 22 |
| C5 4389 | JOHNSONDALE | 4680 | SEC 32 | T22S | R32E | K M | 35 | 58 | 13 | 118 | 32 | 27 | 900 | | 1954 | | | 54 |
| B7 4442 | KAISER MEADOWS | 9110 | SEC 26 | T07S | R26E | M | 37 | 18 | 00 | 119 | 06 | 00 | 900 | | 1946 | | | 10 |
| C2 4452 | KAWEAH PH 3 | 1370 | SEC 33 | T16S | R29E | Q M | 36 | 29 | 12 | 118 | 50 | 06 | 004 | | 1913 | | | 54 |
| C6 4463 | KEENE | 2575 | SEC 20 | T31S | R32E | C M | 35 | 13 | 28 | 118 | 33 | 55 | 000 | 044463 | 1948 | | | 15 |
| B8 4508 | KERLINGER | 172 | SEC 16 | T03S | R05E | E M | 37 | 40 | 35 | 121 | 25 | 59 | 900 | | 1947 | | | 39 |
| C5 4513 | KERN CANYON | 700 | SEC 06 | T29S | R30E | B M | 35 | 26 | 27 | 118 | 47 | 45 | 003 | | 1916 | | | 15 |
| C5 4518 | KERN RIVER INTAKE 3 | 3650 | SEC 12 | T23S | R32E | F M | 35 | 56 | 40 | 118 | 28 | 37 | 900 | | 1952 | 1966 | | 54 |
| C5 4519 | KERN R 3 INTAKE SCE | 3642 | SEC 12 | T23S | R32E | F M | 35 | 56 | 43 | 118 | 28 | 33 | 004 | | 1921 | | | 54 |
| C5 4520 | KERN RIVER PH NO 1 | 970 | SEC 29 | T28S | R30E | N M | 35 | 27 | 37 | 118 | 46 | 48 | 900 | | 1904 | | | 15 |
| C5 4523 | KERN RIVER PH NO 3 | 2703 | SEC 09 | T25S | R33E | A M | 35 | 46 | 35 | 118 | 26 | 08 | 900 | | 1946 | | | 15 |
| C0 4534 | KETTLEMAN CITY | 310 | SEC 19 | T22S | R19E | C M | 35 | 59 | 45 | 119 | 57 | 55 | 900 | | 1930 | | 03 | 16 |
| C0 4535 | KETTLEMAN HILLS | 1255 | SEC 11 | T22S | R17E | F M | 36 | 01 | 50 | 120 | 06 | 15 | 000 | | 1931 | | | 16 |
| C0 4536 | KETTLEMAN STATION | 508 | SEC 25 | T21S | R17E | L M | 36 | 04 | 28 | 120 | 05 | 08 | 900 | | 1933 | | | 16 |
| B0 4590 | KNIGHTS FERRY 2 ESE | 315 | SEC 27 | T01S | R12E | M | 37 | 47 | 54 | 120 | 38 | 42 | 900 | | 1905 | | | 50 |
| B3 4664 | LAKE ALPINE | 7500 | SEC 08 | T07N | R18E | A M | 38 | 28 | 42 | 120 | 00 | 48 | 900 | | 1948 | | | 02 |
| B4 4679 | LAKE ELEANOR | 4662 | SEC 03 | T01N | R19E | F M | 37 | 58 | 00 | 119 | 53 | 00 | 900 | | 1909 | | | 55 |
| C6 4863 | LEBEC | 3585 | SEC 26 | T09N | R19W | P S | 34 | 49 | 58 | 118 | 51 | 51 | 900 | | 1940 | | | 15 |
| B0 4884 | LE GRAND | 255 | SEC 17 | T08S | R16E | N M | 37 | 13 | 50 | 120 | 14 | 50 | 900 | | 1899 | | | 24 |
| B0 4884-05 | LE GRAND 6 N | 280 | SEC 19 | T07S | R16E | H M | 37 | 18 | 39 | 120 | 15 | 05 | 000 | | 1946 | | | 24 |
| C2 4890 | LEMON COVE | 513 | SEC 02 | T18S | R27E | N M | 36 | 23 | 00 | 119 | 01 | 31 | 900 | | 1899 | | | 54 |
| C0 4957 | LINDSAY | 395 | SEC 17 | T20S | R27E | F M | 36 | 11 | 24 | 119 | 04 | 20 | 900 | | 1913 | | | 54 |
| B0 4999-02 | LIVINGSTON CITY HALL | 130 | SEC 25 | T06S | R11E | E M | 37 | 23 | 10 | 120 | 43 | 15 | 000 | | 1948 | | 07 | 24 |
| B0 4999-03 | LIVINGSTON 5 W | 112 | SEC 32 | T06S | R11E | D M | 37 | 22 | 29 | 120 | 47 | 40 | 000 | | 1952 | | | 24 |
| B8 5074 | LOVE TREE CANYON | 330 | SEC 35 | T03S | R05E | E M | 37 | 37 | 54 | 121 | 23 | 47 | 900 | | 1933 | | | 39 |
| C6 5098 | LORRAINE | 2720 | SEC 21 | T30S | R33E | K M | 35 | 18 | 05 | 118 | 25 | 54 | 900 | | 1941 | | | 15 |
| B0 5116 | LOS BANOS 5 S | 175 | SEC 11 | T11S | R10E | P M | 36 | 59 | 02 | 120 | 50 | 45 | 000 | | 1948 | | | 24 |
| B0 5117 | LOS BANOS FIELD STA | 160 | SEC 32 | T10S | R10E | Q M | 37 | 00 | 54 | 120 | 53 | 55 | 904 | | 1956 | | | 24 |
| B0 5118 | LOS BANOS | 125 | SEC 23 | T10S | R10E | L M | 37 | 03 | 00 | 120 | 51 | 00 | 900 | | 1873 | | | 24 |
| B8 5119 | LOS BANOS ARBURUA | 860 | SEC 24 | T12S | R09E | C M | 36 | 52 | 52 | 120 | 56 | 25 | 900 | | 1932 | | | 24 |
| C0 5151 | LOST HILLS | 285 | SEC 35 | T26S | R21E | N M | 35 | 37 | 00 | 119 | 41 | 17 | 900 | | 1912 | | | 15 |
| C1 5155-51 | LOWER BIG CREEK | 1078 | SEC 04 | T12S | R25E | J M | 36 | 54 | 48 | 119 | 14 | 42 | 905 | | 1960 | | | 10 |
| B4 5160 | LOWER KIBBEY RIDGE | 6500 | SEC 22 | T02N | R19E | M | 38 | 01 | 00 | 119 | 53 | 00 | 900 | | 1948 | | | 55 |
| B0 5233-03 | MADERA I D YARD | 270 | SEC 32 | T11S | R18E | N M | 36 | 55 | 15 | 120 | 01 | 12 | 904 | | 1952 | | | 20 |
| B0 5236 | MADERA | 200 | SEC 13 | T11S | R18E | P M | 36 | 58 | | 120 | 03 | | 900 | | 1950 | | | 20 |
| C0 5257 | MAGUNDEN | 440 | SEC 36 | T29S | R28E | G M | 35 | 21 | 42 | 118 | 55 | 18 | 004 | | 1927 | | | 15 |
| B7 5288 | MAMMOTH POOL | 3400 | SEC 11 | T07S | R24E | D M | 37 | 20 | 31 | 119 | 19 | 45 | 905 | | 1947 | | | 20 |
| B0 5303 | MANTECA | 44 | SEC 04 | T02S | R07E | H M | 37 | 47 | | 121 | 12 | | 900 | | 1964 | | | 39 |
| C0 5338 | MARICOPA | 680 | SEC 31 | T12N | R23W | N S | 35 | 04 | 48 | 119 | 22 | 58 | 900 | | 1911 | | | 15 |
| C7 5338-01 | MARICOPA F S | 885 | SEC 12 | T11N | R24W | E S | 35 | 04 | | 119 | 24 | | 000 | | 1959 | | | 15 |
| B5 5346 | MARIPOSA | 2011 | SEC 23 | T05S | R18E | B M | 37 | 29 | 10 | 119 | 58 | 00 | 900 | | 1909 | | | 22 |
| B5 5346-01 | MARIPOSA REYNOLDS | 2000 | SEC 23 | T05S | R18E | B M | 37 | 29 | 20 | 119 | 57 | 55 | 000 | | 1958 | | | 22 |
| B6 5346-04 | MARIPOSA 8 ESE | 2780 | SEC 06 | T06S | R20E | E M | 37 | 26 | 30 | 119 | 49 | 37 | 000 | | 1952 | | | 22 |
| B5 5352 | MARIPOSA RS | 2100 | SEC 15 | T05S | R18E | F M | 37 | 30 | 04 | 119 | 59 | 05 | 808 | 045352 | 1943 | | | 22 |
| B6 5353 | MARIPOSA USONA | 2550 | SEC 01 | T06S | R19E | D M | 37 | 26 | 39 | 119 | 50 | 38 | 000 | | 1965 | 1967 | | 22 |
| C7 5372-01 | MARTINEZ SPRING | 1875 | SEC 26 | T18S | R14E | B M | 36 | 20 | 24 | 120 | 24 | 54 | 000 | | 1959 | | | 10 |
| B4 5400 | MATHER | 4518 | SEC 02 | T01S | R19E | G M | 37 | 53 | 25 | 119 | 51 | 10 | 900 | | 1930 | | 21 | 55 |
| B5 5460 | MCDIERMID STA | 2990 | SEC 33 | T02S | R17E | H M | 37 | 43 | 18 | 120 | 05 | 48 | 000 | | 1959 | | | 22 |
| C7 5480-01 | MC KITTRICK F S | 1051 | SEC 21 | T30S | R22E | E M | 35 | 18 | 20 | 119 | 37 | 20 | 000 | | 1956 | | | 15 |
| B7 5496 | MEADOW LAKE | 4485 | SEC 11 | T10S | R23E | F M | 37 | 04 | 38 | 119 | 26 | 00 | 900 | | 1948 | | | 10 |
| B3 5511 | MELONES DAM | 900 | SEC 11 | T01N | R13E | K M | 37 | 57 | 10 | 120 | 30 | 53 | 404 | | 1955 | | | 55 |
| B0 5526 | MENDOTA 1 NNW | 172 | SEC 25 | T13S | R14E | H M | 36 | 46 | 23 | 120 | 23 | 09 | 043 | PN3064 | 1941 | | | 10 |
| C0 5526-04 | MENDOTA MURIETTA RCH | 261 | SEC 04 | T15S | R14E | M M | 36 | 39 | 05 | 120 | 27 | 20 | 806 | | 1958 | | | 10 |
| B0 5528 | MENDOTA DAM | 166 | SEC 19 | T13S | R15E | G M | 36 | 47 | 15 | 120 | 22 | 12 | 900 | | 1873 | | | 10 |
| C0 5529 | MENDOTA HALFWAY PUMP | 450 | SEC 07 | T17S | R15E | D M | 36 | 28 | 10 | 120 | 23 | 30 | 000 | | 1956 | | | 10 |
| B0 5530 | MENDOTA V D L FARMS | 230 | SEC 32 | T13S | R14E | Q M | 36 | 44 | 58 | 120 | 28 | 00 | 000 | | 1948 | | | 10 |
| B0 5532 | MERCED FIRE STN NO 2 | 169 | SEC 25 | T07S | R13E | M | 37 | 17 | 43 | 120 | 29 | 13 | 900 | | 1872 | | | 24 |
| B0 5532-01 | MERCED SP | 170 | SEC 30 | T07S | R14E | D M | 37 | 18 | 01 | 120 | 29 | 02 | 011 | | 1872 | | | 24 |
| B0 5532-03 | MERCED 5 SE | 198 | SEC 06 | T08S | R15E | E M | 37 | 16 | 00 | 120 | 22 | 36 | 806 | | 1959 | | | 24 |
| B0 5534 | MERCED FANCHER RCH | 212 | SEC 29 | T07S | R15E | F M | 37 | 17 | 47 | 120 | 21 | 09 | 000 | | 1920 | | | 24 |
| B0 5535 | MERCED 2 | 168 | SEC 19 | T07S | R14E | A M | 37 | 18 | 53 | 120 | 28 | 12 | 900 | | 1938 | | | 24 |
| B8 5550 | MERCY HOT SPRINGS | 1165 | SEC 15 | T14S | R10E | R M | 36 | 42 | 15 | 120 | 51 | 33 | 900 | | 1932 | | | 10 |
| C3 5669 | MIL0 5 NE | 3400 | SEC 18 | T19S | R30E | C M | 36 | 16 | 40 | 118 | 46 | 15 | 900 | | 1957 | | | 54 |
| C6 5669-05 | MIL POTRERO | 5800 | SEC 24 | T09N | R22W | E S | 34 | 51 | 02 | 119 | 11 | 18 | 000 | | 1966 | | | 15 |
| C2 5680 | MINERAL KING | 7975 | SEC 22 | T17S | R31E | M | 36 | 26 | 00 | 118 | 35 | 00 | 900 | | 1956 | | | 54 |
| C2 5708 | MIRAMONTE HONOR CAMP | 3005 | SEC 31 | T14S | R27E | D M | 36 | 40 | 00 | 119 | 05 | 00 | 900 | | 1958 | | | 10 |

TABLE A-1 (Cont.)
INDEX OF CLIMATOLOGICAL STATIONS
SAN JOAQUIN VALLEY

| Station | | Elevation (in Feet) | Section | Township | Range | 40-Acre Tract Base & Meridian | Latitude | | | Longitude | | | Cooperator Number | Cooperator's Index Number | Record Began | Record Ended | Years Missing | County Code |
|------------|-----------------------|------------------------|---------|----------|-------|----------------------------------|----------|----|----|-----------|----|----|----------------------|---------------------------------|-----------------|-----------------|---------------|-------------|
| Number | Name | | | | | | O | I | II | O | I | II | | | | | | |
| C1 5723 | MITCHELL MEADOW | 9700 | SEC 33 | T13S | R30E | M | 36 | 45 | 00 | 118 | 43 | 00 | 900 | | 1957 | | 10 | |
| B4 5735 | MOCCASIN | 950 | SEC 34 | T01S | R15E | B | 37 | 48 | 40 | 120 | 18 | 20 | 401 | | 1935 | | 55 | |
| B0 5738 | MODESTO | 91 | SEC 29 | T03S | R09E | H | 37 | 38 | 48 | 121 | 00 | 02 | 900 | | 1926 | | 50 | |
| B0 5740 | MODESTO KTRB | 93 | SEC 16 | T03S | R09E | J | 37 | 40 | 12 | 120 | 58 | 42 | 010 | | 1959 | | 50 | |
| B0 5741 | MODESTO 2 | 92 | SEC 29 | T03S | R09E | M | 37 | 38 | 36 | 121 | 00 | 29 | 900 | | 1942 | | 50 | |
| C5 5777 | MONACHE MEADOWS | 8000 | SEC 10 | T20S | R35E | M | 36 | 13 | 00 | 118 | 10 | 00 | 900 | | 1940 | | 54 | |
| C0 5822-80 | MOODY RCH | 405 | SEC 34 | T32S | R28E | M | 35 | 06 | 15 | 118 | 58 | 00 | 001 | | 1963 | | 15 | |
| C1 5832 | MORAIN CREEK | 8840 | SEC 27 | T14S | R31E | M | 36 | 43 | | 118 | 34 | | 903 | | 1964 | | 54 | |
| C3 5883 | MOUNTAIN HOME 2 | 5360 | SEC 27 | T19S | R30E | J | 36 | 14 | 30 | 118 | 42 | 54 | 901 | | 1963 | | 54 | |
| B7 5927 | MT GIVENS | 9500 | SEC 26 | T07S | R26E | E | 37 | 17 | | 119 | 06 | | 004 | | 1963 | | 10 | |
| B0 6168 | NEWMAN 2 NW | 108 | SEC 12 | T07S | R08E | E | 37 | 20 | 33 | 122 | 50 | 00 | 900 | | 1889 | | 50 | |
| C0 6230-50 | NORTH BELRIDGE | 630 | SEC 26 | T27S | R20E | F | 35 | 33 | 04 | 119 | 47 | 28 | 000 | | 1953 | | 15 | |
| B7 6252 | NORTH FORK R S | 2630 | SEC 18 | T08S | R23E | M | 37 | 13 | 57 | 119 | 30 | 15 | 900 | | 1904 | | 20 | |
| B0 6303 | OAKDALE | 155 | SEC 11 | T02S | R10E | N | 37 | 46 | 10 | 120 | 50 | 53 | 000 | | 1880 | | 01 | 50 |
| B0 6305 | OAKDALE WOODWARD DAM | 215 | SEC 09 | T01S | R10E | Q | 37 | 51 | 28 | 120 | 52 | 42 | 900 | | 1918 | | 50 | |
| B6 6321-80 | OAKHURST | 2250 | SEC 14 | T07S | R21E | L | 37 | 19 | 46 | 119 | 38 | 42 | 000 | | 1961 | | 20 | |
| C0 6393 | OILFIELDS F S | 950 | SEC 26 | T19S | R15E | F | 36 | 14 | 50 | 120 | 18 | 50 | 808 | 046393 | 1952 | | 10 | |
| C7 6395 | OILFIELDS JOAQUIN RDG | 3620 | SEC 01 | T19S | R14E | M | 36 | 18 | 00 | 120 | 24 | 00 | 900 | | 1949 | | 10 | |
| C0 6414 | OLD RIVER 3 S | 315 | SEC 20 | T30S | R27E | D | 35 | 13 | 18 | 119 | 06 | 21 | 806 | | 1965 | | 15 | |
| C5 6462 | ONYX | 2700 | SEC 04 | T26S | R35E | K | 35 | 41 | 00 | 118 | 14 | 00 | 903 | | 1938 | | 15 | |
| C0 6476 | ORANGE COVE | 431 | SEC 13 | T15S | R24E | K | 36 | 37 | 18 | 119 | 18 | 40 | 900 | | 1931 | | 10 | |
| B0 6490 | ORESTIMBA | 110 | SEC 02 | T07S | R08E | D | 37 | 21 | 42 | 121 | 03 | 47 | 000 | | 1896 | | 50 | |
| B5 6552 | OSTRANDER LAKE | 8600 | | T03S | R22E | M | 37 | 38 | 00 | 119 | 33 | 00 | 900 | | 1947 | | 22 | |
| B8 6583 | PACHECO PASS | 850 | SEC 10 | T10S | R07E | B | 37 | 04 | 00 | 121 | 11 | 00 | 900 | | 1949 | | 24 | |
| B8 6675 | PANOCHÉ | 1265 | SEC 25 | T15S | R10E | F | 36 | 35 | 47 | 120 | 49 | 58 | 900 | | 1922 | | 35 | |
| B8 6676 | PANOCHÉ 2 W | 1320 | SEC 21 | T15S | R10E | M | 36 | 36 | 30 | 120 | 52 | 48 | 407 | 06 | 1957 | | 35 | |
| B0 6677 | PANOCHÉ CREEK | 370 | SEC 29 | T14S | R13E | D | 36 | 41 | | 120 | 35 | | 000 | | 1963 | | 10 | |
| B0 6679-05 | PANOCHÉ WATER DIST | 183 | SEC 14 | T12S | R11E | H | 36 | 53 | 24 | 120 | 43 | 43 | 000 | | 1949 | | 10 | |
| B4 6688 | PARADISE MEADOW | 7700 | SEC 09 | T02N | R21E | M | 38 | 03 | 00 | 119 | 40 | 00 | 900 | | 1948 | | 55 | |
| D3 6706 | PARKFIELD 7 NNW | 3590 | SEC 21 | T22S | R14E | N | 36 | 59 | 46 | 120 | 28 | 26 | 900 | | 1948 | | 10 | |
| B0 6746-01 | PATTERSON | 100 | SEC 30 | T05S | R08E | M | 37 | 28 | 00 | 121 | 07 | 00 | 000 | | 1912 | | 50 | |
| C6 6754 | PATTWAY | 3868 | SEC 19 | T10N | R23W | E | 34 | 56 | 27 | 119 | 22 | 52 | 900 | | 1915 | | 15 | |
| C2 6767 | PEAR LAKE | 9700 | SEC 24 | T15S | R30E | M | 36 | 36 | 00 | 118 | 40 | 00 | 900 | | 1956 | | 54 | |
| B8 6847 | PFEIFFER RCH | 1615 | SEC 19 | T12S | R08E | C | 36 | 52 | 59 | 121 | 08 | 12 | 000 | 046839 | 1954 | | 24 | |
| B3 6893 | PINECREST STRAWBERRY | 5620 | SEC 22 | T04N | R18E | F | 38 | 11 | 25 | 119 | 59 | 12 | 003 | | 1922 | | 55 | |
| B3 6893-01 | PINECREST SUMMIT R S | 5600 | SEC 21 | T04N | R18E | M | 38 | 12 | | 119 | 59 | | 905 | | 1964 | | 55 | |
| C1 6896 | PINE FLAT DAM | 615 | SEC 02 | T13S | R24E | A | 36 | 49 | 55 | 119 | 19 | 25 | 903 | | 1949 | | 10 | |
| C1 6902 | PINEHURST | 4050 | SEC 23 | T14S | R27E | D | 36 | 41 | 54 | 119 | 00 | 54 | 905 | | 1954 | | 10 | |
| C0 7077 | PORTERVILLE | 393 | SEC 26 | T21S | R27E | R | 36 | 03 | 58 | 119 | 01 | 14 | 900 | | 1893 | | 54 | |
| C0 7079 | PORTERVILLE 3 W | 413 | SEC 20 | T21S | R27E | R | 36 | 04 | 50 | 119 | 04 | 14 | 000 | | 1958 | | 54 | |
| C5 7093 | PORTUGUESE MEADOW | 7000 | SEC 31 | T24S | R32E | M | 35 | 48 | 00 | 118 | 34 | 00 | 900 | | 1953 | | 54 | |
| C4 7096 | POSEY 3 E | 4920 | SEC 28 | T24S | R31E | M | 35 | 48 | 00 | 118 | 38 | 00 | 900 | | 1954 | | 02 | 54 |
| C0 7098-11 | POSO RCH | 370 | SEC 03 | T27S | R25E | J | 35 | 36 | 30 | 119 | 15 | 45 | 001 | | 1913 | | 15 | |
| B0 7099-11 | POSO CANAL CO HDQ | 125 | SEC 12 | T11S | R13E | P | 36 | 58 | 57 | 120 | 30 | 04 | 013 | | 1955 | | 10 | |
| C5 7179 | QUAKING ASPEN | 7200 | SEC 08 | T21S | R32E | P | 36 | 07 | 00 | 118 | 32 | 00 | 900 | | 1955 | | 54 | |
| C1 7259 | RATTLESNAKE CREEK | 9900 | SEC 08 | T11S | R30E | M | 36 | 59 | 00 | 118 | 43 | 00 | 900 | | 1961 | | 10 | |
| B6 7270-01 | RAYMOND 3 SSW | 635 | SEC 06 | T09S | R19E | J | 37 | 10 | 32 | 119 | 55 | 55 | 000 | | 1940 | | 20 | |
| B6 7272-01 | RAYMOND 10 N | 1640 | SEC 32 | T06S | R19E | A | 37 | 22 | 24 | 119 | 54 | 24 | 000 | | 1957 | | 22 | |
| B6 7276 | RAYMOND 12 NNE | 1600 | SEC 25 | T06S | R19E | R | 37 | 22 | 37 | 119 | 49 | 58 | 000 | | 1954 | | 22 | |
| C0 7288 | RECTOR | 344 | SEC 03 | T19S | R25E | J | 36 | 18 | 15 | 119 | 14 | 34 | 004 | | 1888 | | 54 | |
| C0 7354-80 | REEDLEY MVFD | 345 | SEC 27 | T15S | R23E | M | 36 | 37 | | 119 | 27 | | 808 | | 1962 | | 10 | |
| B0 7447-80 | RIPON | 65 | SEC 20 | T02S | R08E | M | 37 | 44 | 33 | 121 | 07 | 21 | 000 | | 1963 | | 39 | |
| C0 7460 | RIVERDALE | 220 | SEC 24 | T17S | R19E | P | 36 | 25 | 58 | 119 | 51 | 36 | 000 | | 1917 | | 10 | |
| B6 7528 | ROCKY VILLAGE | 820 | SEC 19 | T06S | R17E | K | 37 | 20 | 45 | 120 | 08 | 42 | 000 | | 1957 | | 22 | |
| C3 7529 | ROGERS CAMP | 6240 | SEC 09 | T21S | R31E | M | 36 | 04 | 24 | 118 | 38 | 12 | 901 | | 1964 | | 54 | |
| C0 7555 | ROSEDALE | 380 | SEC 01 | T29S | R26E | R | 35 | 25 | 40 | 119 | 07 | 42 | 001 | | 1914 | | 15 | |
| B7 7560 | ROSE MARIE MEADOW | 10000 | SEC 14 | T07S | R28E | M | 37 | 19 | 00 | 118 | 52 | 00 | 900 | | 1953 | | 10 | |
| C5 7579 | ROUND MEADOW | 9000 | SEC 36 | T22S | R33E | M | 35 | 58 | 00 | 118 | 21 | 00 | 900 | | 1947 | | 54 | |
| B4 7623 | SACHES SPRINGS | 7900 | SEC 25 | T03N | R19E | M | 38 | 06 | 00 | 119 | 51 | 00 | 900 | | 1948 | | 55 | |
| C0 7753 | SAN EMIGDIO RCH | 1450 | SEC 36 | T11N | R22W | L | 34 | 59 | 45 | 119 | 10 | 59 | 900 | | 1901 | | 15 | |
| C0 7800-02 | SANGER 1 NE | 375 | SEC 11 | T14S | R22E | K | 36 | 43 | 30 | 119 | 32 | 36 | 000 | | 1959 | | 10 | |
| C0 7800-03 | SANGER R S | 375 | SEC 11 | T14S | R22E | E | 36 | 43 | 48 | 119 | 33 | 18 | 808 | | 1958 | | 10 | |
| C0 7816 | SAN JOAQUIN | 174 | SEC 23 | T15S | R16E | J | 36 | 36 | 25 | 120 | 11 | 15 | 000 | | 1919 | | 10 | |
| B7 7817 | SAN JOAQUIN EXP RANGE | 1100 | SEC 06 | T10S | R12E | E | 37 | 05 | 40 | 119 | 43 | 38 | 900 | | 1934 | | 20 | |
| C0 7819-80 | SAN JOAQUIN MVFD | 174 | SEC 23 | T15S | R16E | J | 36 | 36 | 28 | 120 | 11 | 18 | 808 | | 1962 | | 10 | |
| B0 7836-01 | SAN JUAN RCH CO | 105 | SEC 10 | T10S | R12E | B | 37 | 04 | 50 | 120 | 38 | 35 | 000 | PN5121 | 1947 | | 24 | |
| B8 7846 | SAN LUIS DAM | 277 | SEC 14 | T10S | R08E | M | 37 | 03 | | 121 | 04 | | 904 | | 1959 | | 24 | |
| B0 7855 | SAN LUIS CANAL CO HQ | 106 | SEC 21 | T10S | R12E | C | 37 | 03 | 15 | 120 | 39 | 45 | 013 | | 1944 | | 24 | |
| C0 7987-80 | SANTIAGO RANCH M & L | 437 | SEC 27 | T12N | R22W | S | 35 | 05 | 35 | 119 | 12 | 35 | 000 | | 1963 | | 15 | |
| C6 8304 | SMITH FLAT | 3800 | SEC 32 | T10N | R23W | K | 34 | 54 | 24 | 119 | 21 | 15 | 000 | 000004 | 1960 | | 15 | |

TABLE A-1 (Cont.)
INDEX OF CLIMATOLOGICAL STATIONS
SAN JOAQUIN VALLEY

| Station | | Elevation (In Feet) | Section | Township | Range | 40-Acre Tract | Base B Meridian | Latitude | | | Longitude | | | Cooperator Number | Cooperator's Index Number | Record Began | Record Ended | Years Missing | County Code |
|------------|----------------------|------------------------|---------|----------|-------|---------------|-----------------|----------|----|-----|-----------|----|-----|----------------------|---------------------------------|-----------------|-----------------|------------------|----------------|
| Number | Name | | | | | | | O | I | II | O | I | II | | | | | | |
| B0 8316 | SNELLING | 259 | SEC 04 | T05S | R14E | M | 37 | 31 | 24 | 120 | 26 | 18 | 000 | | | 1882 | | 19 | 24 |
| B0 8316-05 | SNELLING 3 WNW | 300 | SEC 36 | T04S | R13E | J | M | 37 | 32 | 35 | 120 | 28 | 57 | 000 | | 1949 | | | 24 |
| B5 8318 | SNOW FLAT | 8700 | SEC 19 | T01S | R23E | M | 37 | 50 | 00 | 119 | 30 | 00 | 900 | | | 1947 | | | 22 |
| C1 8323-01 | SOAPROOT SADDLE | 3830 | SEC 28 | T10S | R25E | P | M | 37 | 01 | 30 | 119 | 15 | 06 | 905 | | 1960 | | | 10 |
| B4 8353 | SONORA R S | 1745 | SEC 36 | T02N | R14E | M | 37 | 59 | 00 | 120 | 23 | 00 | 900 | | | 1887 | | | 55 |
| C0 8375-50 | SOUTH BELRIOGE | 575 | SEC 28 | T28S | R21E | R | M | 35 | 27 | 23 | 119 | 42 | 37 | 000 | | 1938 | | | 15 |
| B0 8378 | SOUTH DOS PALOS | 116 | SEC 21 | T11S | R12E | A | M | 36 | 57 | 52 | 120 | 39 | 15 | 000 | | 1938 | | | 24 |
| B5 8380 | SO ENTRANCE YOSEMITE | 5120 | SEC 12 | T05S | R21E | N | M | 37 | 30 | 26 | 119 | 37 | 55 | 900 | | 1941 | | | 22 |
| C0 8407-11 | SOUTH LAKE FARMS HDQ | 190 | SEC 13 | T23S | R21E | A | M | 35 | 56 | 02 | 119 | 38 | 46 | 000 | | 1959 | | | 16 |
| B3 8450 | SPRING GAP FOREBAY | 3000 | SEC 27 | T04N | R17E | H | M | 38 | 10 | 06 | 120 | 06 | 08 | 003 | | 1921 | | | 55 |
| C3 8455 | SPRINGVILLE 7 ENE | 2470 | SEC 26 | T20S | R30E | D | M | 36 | 09 | 47 | 118 | 42 | 21 | 900 | | 1953 | | | 54 |
| C3 8460 | SPRINGVILLE R S | 1050 | SEC 02 | T21S | R29E | B | M | 36 | 08 | 09 | 118 | 48 | 40 | 900 | | 1924 | | | 54 |
| C3 8463 | SPRINGVILLE TULE HDW | 4070 | SEC 07 | T20S | R31E | Q | M | 36 | 11 | 35 | 118 | 39 | 23 | 900 | | 1907 | | | 54 |
| C1 8474-80 | SQUAW VALLEY FR | 1750 | SEC 35 | T13S | R25E | P | M | 36 | 44 | 58 | 119 | 12 | 21 | 808 | | 1961 | | | 10 |
| B3 8499 | STANISLAUS PH | 1130 | SEC 06 | T03N | R15E | L | M | 38 | 08 | 23 | 120 | 22 | 10 | 900 | | 1957 | | | 55 |
| C1 8510 | STATE LAKES | 10300 | SEC 34 | T11S | R31E | M | 36 | 56 | 00 | 118 | 35 | 00 | 900 | | | 1955 | | | 10 |
| C0 8520 | STEVENSON DIST SC 33 | 212 | SEC 33 | T21S | R23E | K | M | 36 | 03 | 27 | 119 | 29 | 17 | 002 | | 1951 | | | 54 |
| C3 8620 | SUCCESS DAM | 590 | SEC 35 | T21S | R28E | L | M | 36 | 03 | 00 | 118 | 55 | 00 | 903 | | 1959 | | | 54 |
| C1 8643 | SUMMIT MEADOW | 6240 | SEC 02 | T10S | R25E | Q | M | 37 | 05 | 12 | 119 | 12 | 36 | 000 | | 1960 | | | 10 |
| C7 8752 | TAFT | 1025 | SEC 14 | T32S | R23E | J | M | 35 | 08 | 34 | 119 | 27 | 53 | 900 | | 1940 | | | 15 |
| C7 8755 | TAFT KTKR RADIO | 1030 | SEC 14 | T32S | R23E | G | M | 35 | 08 | 50 | 119 | 28 | 18 | 000 | | 1954 | | | 15 |
| C6 8826 | TEHACHAPI | 3975 | SEC 21 | T32S | R33E | M | M | 35 | 08 | 00 | 118 | 27 | 00 | 900 | | 1876 | | | 15 |
| C6 8832 | TEHACHAPI AIRPORT | 3975 | SEC 21 | T32S | R33E | C | M | 35 | 08 | 05 | 118 | 26 | 31 | 900 | | 1940 | | | 15 |
| C0 8839 | TEJON RANCHO | 1425 | SEC 24 | T11N | R18W | H | S | 35 | 01 | 35 | 118 | 44 | 38 | 900 | | 1895 | | | 15 |
| C2 8868 | TERMINUS DAM | 965 | SEC 36 | T17S | R27E | E | M | 36 | 24 | 37 | 119 | 00 | 20 | 903 | | 1959 | | | 54 |
| C7 8893-80 | THIRTY-TWO CORRAL | 1700 | SEC 32 | T18S | R15E | P | M | 36 | 18 | 47 | 120 | 21 | 51 | 000 | | 1959 | | | 10 |
| C2 8912 | THREE RIVERS 6 SE | 2200 | SEC 16 | T18S | R29E | C | M | 36 | 22 | 00 | 118 | 51 | 00 | 900 | | 1940 | | | 54 |
| C2 8914 | THREE RIVERS PH NO 2 | 950 | SEC 07 | T17S | R29E | Q | M | 36 | 27 | 40 | 118 | 52 | 40 | 900 | | 1909 | | | 54 |
| C2 8917 | THREE RIVERS PH NO 1 | 1140 | SEC 08 | T17S | R29E | K | M | 36 | 27 | 58 | 118 | 51 | 40 | 900 | | 1940 | | | 54 |
| C0 9006 | TRANQUILITY GLOTZ | 165 | SEC 16 | T15S | R16E | C | M | 36 | 37 | 57 | 120 | 14 | 13 | 000 | | 1953 | | | 10 |
| C1 9025 | TRIMMER R S | 736 | SEC 12 | T12S | R24E | A | M | 36 | 54 | 05 | 119 | 17 | 16 | 905 | | 1948 | | | 10 |
| B6 9020-15 | TRIANGLE-YORK | 3150 | SEC 20 | T05S | R20E | D | M | 37 | 29 | 18 | 119 | 48 | 41 | 000 | | 1965 | | | 22 |
| C0 9051 | TULARE | 293 | SEC 01 | T20S | R24E | N | M | 36 | 12 | 45 | 119 | 19 | 50 | 004 | | 1919 | | | 54 |
| C0 9051-04 | TULARE DIST SEC 27 | 179 | SEC 27 | T21S | R20E | A | M | 36 | 04 | 41 | 119 | 47 | 33 | 002 | | 1953 | | | 16 |
| C0 9052 | TULEFIELD | 300 | SEC 18 | T32S | R28E | B | M | 35 | 09 | 00 | 119 | 01 | 00 | 900 | | 1948 | | | 15 |
| C3 9059 | TULE RIVER INTAKE | 2450 | SEC 26 | T20S | R30E | D | M | 36 | 09 | 42 | 118 | 42 | 22 | 004 | | 1910 | | | 54 |
| C3 9060 | TULE RIVER PH | 1240 | SEC 06 | T21S | R30E | D | M | 36 | 08 | 07 | 118 | 47 | 15 | 004 | | 1910 | | | 54 |
| C5 9061 | TUNNEL R S | 8950 | SEC 10 | T18S | R34E | E | M | 36 | 22 | 00 | 118 | 17 | 00 | 900 | | 1945 | | | 54 |
| B3 9062 | TULLOCH DAM | 515 | SEC 01 | T01S | R12E | L | M | 37 | 52 | 30 | 120 | 36 | 12 | 404 | | 1958 | | | 05 |
| B4 9063 | TUOLUMNE MEADOWS | 8600 | SEC 03 | T01S | R24E | M | 37 | 53 | 00 | 119 | 20 | 00 | 900 | | 1947 | | | 55 | |
| B0 9073 | TURLOCK | 115 | SEC 22 | T05S | R10E | D | M | 37 | 29 | 28 | 120 | 51 | 00 | 900 | | 1893 | | | 50 |
| B0 9073-01 | TURLOCK 5 SW | 76 | SEC 30 | T05S | R10E | Q | M | 37 | 27 | 52 | 120 | 54 | 39 | 000 | | 1958 | | | 50 |
| B0 9073-02 | TURLOCK 8 WSW | 60 | SEC 34 | T05S | R09E | D | M | 37 | 40 | 24 | 120 | 58 | 30 | 000 | | 1958 | | | 50 |
| C0 9145 | U S COTTON FIELD STN | 367 | SEC 33 | T27S | R25E | J | M | 35 | 32 | 00 | 119 | 16 | 40 | 906 | | 1922 | | | 15 |
| C3 9120 | UHL R S | 3680 | SEC 32 | T23S | R31E | H | M | 35 | 53 | | 118 | 39 | | 900 | | 1965 | | | 54 |
| B7 9301 | VERMILLION VALLEY | 7520 | SEC 26 | T06S | R27E | M | 37 | 22 | 00 | 118 | 59 | 00 | 900 | | | 1946 | | | 10 |
| C0 9304 | VESTAL | 500 | SEC 17 | T24S | R27E | M | M | 35 | 50 | 24 | 119 | 05 | 12 | 004 | | 1920 | | | 54 |
| C1 9328 | VIDETTE MEADOW | 9500 | | T13S | R33E | M | 36 | 45 | | 118 | 25 | | 901 | | 1964 | | | 10 | |
| C0 9367 | VISALIA | 354 | SEC 29 | T18S | R25E | M | M | 36 | 19 | 45 | 119 | 17 | 18 | 900 | | 1903 | | | 54 |
| C0 9369 | VISALIA 4 E | 357 | SEC 36 | T18S | R25E | D | M | 36 | 19 | 32 | 119 | 13 | 24 | 000 | | 1959 | | | 54 |
| C0 9452 | WASCO | 333 | SEC 12 | T27S | R24E | J | M | 35 | 35 | 35 | 119 | 19 | 57 | 900 | | 1899 | | | 15 |
| B5 9482 | WAWONA R S | 3975 | SEC 34 | T04S | R21E | P | M | 37 | 32 | | 119 | 40 | | 900 | | 1941 | | | 22 |
| C5 9512 | WELDON 1 WSW | 2680 | SEC 23 | T26S | R34E | D | M | 35 | 40 | 00 | 118 | 18 | 00 | 900 | | 1940 | | | 15 |
| C0 9535 | WEST CAMP SLF | 290 | SEC 11 | T24S | R19E | R | M | 35 | 50 | 51 | 119 | 52 | 43 | 000 | | 1959 | | | 16 |
| B6 9556-80 | WESTFALL R S | 4795 | SEC 35 | T05S | R21E | M | M | 37 | 26 | 58 | 119 | 38 | 59 | 905 | | 1961 | | | 20 |
| C0 9560 | WESTHAVEN | 285 | SEC 34 | T19S | R18E | R | M | 36 | 13 | 38 | 119 | 59 | 40 | 900 | | 1925 | | | 10 |
| B0 9565 | WESTLEY | 85 | SEC 33 | T04S | R07E | B | M | 37 | 33 | 00 | 121 | 12 | 00 | 000 | | 1928 | | | 50 |
| C5 9602 | WET MEADOW | 8950 | SEC 13 | T18S | R32E | R | M | 36 | 20 | 56 | 118 | 34 | 16 | 900 | | 1959 | | | 54 |
| C0 9614-81 | WHEELER RDE LWU A-12 | 1230 | SEC 01 | T10N | R20W | G | S | 34 | 58 | 38 | 118 | 57 | 25 | 806 | | 1963 | | | 15 |
| C2 9629 | WHITAKER FOREST | 5360 | SEC 16 | T14S | R28E | Q | M | 36 | 42 | 05 | 118 | 55 | 56 | 815 | | 1966 | | | 54 |
| B6 9640-80 | WHITE ROCK PRESTON | 984 | SEC 07 | T07S | R18E | K | M | 37 | 20 | 12 | 120 | 02 | 18 | 903 | | 1950 | | | 22 |
| C0 9670-80 | WILBUR DITCH | 210 | SEC 18 | T23S | R21E | D | M | 35 | 36 | 10 | 119 | 45 | 10 | 000 | | 1962 | | | 16 |
| C1 9749 | WISHON LAKE | 6560 | SEC 01 | T11S | R27E | E | M | 37 | 00 | 40 | 118 | 58 | 20 | 003 | | 1957 | | | 10 |
| C5 9754 | WOLFORD HEIGHTS | 2700 | SEC 32 | T25S | R33E | H | M | 35 | 43 | 00 | 118 | 27 | 00 | 900 | PN4527 | 1894 | | | 15 |
| C1 9773 | WOODCHUCK MEADOW | 9200 | SEC 27 | T10S | R28E | M | 37 | 02 | 00 | 118 | 54 | 00 | 900 | | 1955 | | | 10 | |
| C4 9805 | WOODY | 1630 | SEC 03 | T26S | R29E | C | M | 35 | 42 | 02 | 118 | 50 | 34 | 808 | 049805 | 1956 | | | 15 |
| B5 9855 | YOSEMITE NAT PARK | 3985 | SEC 20 | T02S | R22E | M | 37 | 45 | 00 | 119 | 35 | 00 | 900 | | | 1904 | | | 22 |

TABLE A- 2
PRECIPITATION DATA

The definition of terms and abbreviations used in connection with this table are as follows:

- No record or record incomplete.
- * Amount included in the following measurement. Time distribution unknown.
- E Wholly or partially estimated.
- T Trace, an amount too small to measure.
- V Includes total from previous month.
- RB Record begins.
- RE Record ends.

Precipitation values are shown to the nearest hundredth (.01) of an inch, except where Fischer & Porter recording rain gages are used, these values are shown to the nearest tenth (.1) of an inch.

TABLE A-2

PRECIPITATION DATA

SAN JOAQUIN VALLEY

| Station Name | Precipitation in Inches | | | | | | | | | | | | | | | | |
|----------------------|----------------------------------|-------|-------|-------|-------|------|-------|------|------|------|------|-------|------|-----------------------------------|-------|-------|--------|
| | Total July 1 To June 30 | 1966 | | | | | | 1967 | | | | | | Total Oct. 1 To Sept. 30 | | | |
| | | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | | July | Aug. | Sept. |
| SAN JOAQUIN R BASIN | | | | | | | | | | | | | | | | | |
| SAN JOAQU VAL FL | | | | | | | | | | | | | | | | | |
| ATWATER-CRAIG | 14.86 | T | 0.00 | 0.02 | 0.00 | 1.93 | 2.66 | 2.94 | 0.23 | 1.62 | 4.93 | 0.07 | 0.46 | 0.00 | 0.00 | T | 14.84 |
| CASTLE AFB | 12.89 | T | 0.00 | T | 0.00 | 1.59 | 2.22 | 2.98 | 0.17 | 1.70 | 3.95 | 0.12 | 0.16 | 0.00 | 0.00 | 0.09 | 12.98 |
| DELTA RCH | 12.16 | 0.00 | 0.00 | 0.00 | 0.00 | 1.68 | 3.00 | 2.41 | 0.15 | 1.58 | 3.24 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 12.16 |
| DENAIR 3 NNE | 17.28 | 0.07 | 0.00 | 0.01 | 0.00 | 2.05 | 2.63 | 3.39 | 0.70 | 2.57 | 5.07 | 0.16 | 0.63 | 0.00 | 0.00 | 0.03 | 17.23 |
| DENAIR CHANCE | 15.96E | 0.01 | 0.00E | T E | 0.00 | 1.87 | 2.52 | 2.89 | 0.40 | 2.08 | 5.42 | 0.54 | 0.23 | 0.00 | 0.00 | 0.07 | 16.02 |
| DENAIR-DAVISON RCH | 18.62 | 0.00 | 0.00 | 0.00 | 0.00 | 2.61 | 3.85 | 3.21 | 0.57 | 2.18 | 5.40 | 0.22 | 0.58 | 0.00 | 0.00 | 0.00 | 18.62 |
| EL SOLYO RCH | 12.72 | 0.27 | 0.00 | 0.00 | 0.00 | 1.85 | 2.21 | 4.17 | 0.14 | 1.82 | 1.91 | 0.10 | 0.25 | 0.00 | 0.00 | 0.00 | 12.45 |
| ESCALON SWANSON | 16.72 | 0.04 | 0.00 | T | 0.00 | 2.10 | 2.77 | 4.23 | 0.38 | 2.36 | 4.12 | 0.13 | 0.59 | 0.00 | 0.00 | 0.02 | 16.70 |
| FANCHER RCH CAMP 3 | 17.72E | 0.08 | 0.00 | T | 0.00E | 2.27 | 3.26 | 3.23 | 0.69 | 2.03 | 5.49 | 0.35 | 0.32 | 0.00E | 0.00E | 0.00E | 17.64E |
| FIREBAUGH 9 W | 8.24 | 0.08 | 0.00 | T | 0.00 | 0.81 | 2.08 | 1.63 | 0.16 | 0.97 | 2.34 | 0.17 | 0.00 | 0.00 | 0.00 | 0.05 | 8.21 |
| GUSTINE 5 SW | 15.27 | 0.07 | 0.00 | T | 0.00 | 1.75 | 3.65 | 4.18 | 0.35 | 1.72 | 3.33 | 0.05 | 0.17 | 0.00 | 0.00 | 0.00 | 15.20 |
| GUSTINE SNYDER | 15.21 | 0.06 | 0.00 | 0.00 | 0.00 | 1.81 | 3.80 | 4.44 | 0.26 | 2.00 | 2.21 | 0.47 | 0.16 | 0.00 | 0.00 | 0.00 | 15.15 |
| GUSTINE FOREMOST | 14.44 | 0.06 | 0.00 | 0.00 | 0.00 | 1.79 | 2.46 | 4.36 | 0.42 | 1.95 | 3.23 | 0.05 | 0.12 | 0.00 | 0.00 | 0.00 | 14.38 |
| GUSTINE 7 SSW | 14.52 | 0.05 | 0.00 | T | 0.00 | 1.74 | 3.21 | 4.09 | 0.36 | 1.73 | 2.63 | 0.48 | 0.23 | 0.00 | 0.00 | 0.02 | 14.49 |
| HILMAR | 13.32E | 0.06E | 0.00E | 0.00E | 0.00E | 1.15 | 1.85 | 3.42 | 0.29 | 2.09 | 3.65 | 0.41 | 0.40 | 0.00 | 0.00 | T | 13.26E |
| KNIGHTS FERRY 2 SE | 24.26 | 0.09 | 0.00 | 0.00 | 0.00 | 3.34 | 4.01 | 4.46 | 0.81 | 3.17 | 6.98 | 0.51 | 0.89 | 0.00 | T | 0.02 | 24.19 |
| LE GRAND | 17.07 | 0.09 | 0.00 | 0.03 | 0.00 | 2.07 | 3.70 | 3.11 | 0.43 | 1.85 | 4.96 | 0.62 | 0.21 | 0.00 | 0.01 | 0.03 | 16.99 |
| LE GRAND 6 N | 16.37 | 0.08 | 0.00 | 0.00 | 0.00 | 2.22 | 3.11 | 3.00 | 0.53 | 2.10 | 4.53 | 0.77 | 0.03 | 0.00 | 0.00 | 0.00 | 16.29 |
| LIVINGSTON CITY HALL | 13.82 | 0.00 | 0.00 | T | 0.00 | 1.68 | 2.13 | 3.16 | 0.71 | 1.68 | 4.23 | 0.12 | 0.11 | 0.00 | 0.00 | T | 13.82 |
| LIVINGSTON 5 W | 12.86 | 0.04 | 0.00 | 0.00 | 0.00 | 1.74 | 2.18 | 2.78 | 0.45 | 1.40 | 3.80 | 0.05 | 0.42 | 0.00 | 0.00 | 0.00 | 12.82 |
| LOS BANOS 5 S | 9.16E | 0.28 | 0.00 | 0.08 | 0.00 | 0.74 | 2.60 | 1.74 | 0.09 | 1.08 | 2.43 | 0.06E | 0.06 | 0.00 | 0.00 | 0.04 | 8.84E |
| LOS BANOS FIELD STA | 10.25 | 0.14 | 0.00 | 0.03 | 0.00 | 1.14 | 2.83 | 2.00 | 0.19 | 0.98 | 2.70 | 0.07 | 0.17 | 0.00 | 0.00 | 0.04 | 10.12 |
| LOS BANOS | 11.52 | 0.17 | 0.00 | 0.06 | 0.00 | 1.67 | 2.88 | 2.10 | 0.30 | 1.17 | 3.03 | 0.06 | 0.08 | 0.00 | 0.00 | 0.02 | 11.31 |
| MADERA ID YARD | 13.56 | 0.00 | 0.00 | 0.01 | 0.00 | 1.41 | 3.23 | 2.46 | 0.21 | 1.60 | 4.22 | 0.22 | 0.20 | 0.00 | 0.00 | 0.01 | 13.56 |
| MADERA | 16.72 | 0.07 | 0.00 | 0.09 | 0.00 | 1.90 | 3.29 | 3.51 | 0.02 | 1.72 | 5.47 | 0.20 | 0.45 | 0.00 | T | 0.10 | 16.66 |
| MANTECA | 16.39 | 0.17 | 0.00 | 0.03 | 0.00 | 2.81 | 2.71 | 5.44 | 0.19 | 1.87 | 2.71 | 0.10 | 0.36 | 0.00 | 0.00 | 0.04 | 16.23 |
| MENDOTA 1 NNW | 9.70 | 0.15 | 0.00 | 0.11 | 0.00 | 0.89 | 2.31 | 1.69 | 0.14 | 1.51 | 2.81 | 0.07 | 0.02 | 0.00 | 0.00 | 0.09 | 9.53 |
| MENDOTA DAM | 10.72 | 0.15 | 0.00 | 0.10 | 0.00 | 0.70 | 2.84 | 1.59 | 0.08 | 1.78 | 3.43 | 0.05 | T | 0.00 | 0.00 | 0.14 | 10.61 |
| MENDOTA VDL FARMS | 8.19E | 0.00 | 0.00 | 0.04 | 0.00 | 0.50 | 2.45E | 1.22 | 0.16 | 1.27 | 2.47 | 0.08 | 0.16 | 0.00 | 0.00 | 0.01 | 8.16E |
| MERCED FIRE STA 2 | 15.98 | T | 0.00 | 0.07 | 0.00 | 1.88 | 2.85 | 2.78 | 0.38 | 2.53 | 4.60 | 0.73 | 0.16 | 0.00 | 0.00 | 0.06 | 15.97 |
| MERCED S P | 16.00 | T | 0.00 | T | 0.00 | 1.83 | 2.87 | 2.63 | 0.88 | 2.41 | 4.56 | 0.44 | 0.38 | 0.00 | 0.00 | 0.15 | 16.15 |
| MERCED 5 SE | 17.59 | 0.00 | 0.20 | 0.01 | 0.00 | 2.01 | 3.33 | 2.84 | 0.48 | 2.38 | 5.49 | 0.43 | 0.42 | 0.00 | 0.00 | 0.04 | 17.34 |
| MERCED FANCHER RCH | 17.60E | 0.08 | 0.00 | 0.03 | 0.00E | 2.07 | 2.75 | 3.01 | 0.74 | 2.12 | 5.75 | 0.35 | 0.70 | 0.00 | 0.00 | 0.00 | 17.49E |
| MERCED 2 | 15.40 | 0.00 | 0.00 | 0.08 | 0.00 | 1.93 | 2.72 | 2.73 | 0.51 | 2.29 | 4.28 | 0.72 | 0.14 | 0.00 | 0.00 | 0.10 | 15.32 |
| MODESTO | 14.68 | 0.05 | 0.00 | T | 0.00 | 1.68 | 2.26 | 4.36 | 0.21 | 2.58 | 2.93 | 0.15 | 0.46 | 0.00 | 0.00 | T | 14.63 |

TABLE A-2 (Cont.)

PRECIPITATION DATA

SAN JOAQUIN VALLEY

| Station Name | Total July 1 To June 30 | 1966 | | | | | | | | | | 1967 | | | | | Total Oct. 1 To Sept. 30 |
|-----------------------|----------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------------------|
| | | July | Aug | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar | Apr. | May | June | July | Aug. | Sept. | |
| | | Precipitation In Inches | Precipitation In Inches | Precipitation In Inches | Precipitation In Inches | Precipitation In Inches | Precipitation In Inches | Precipitation In Inches | Precipitation In Inches | Precipitation In Inches | Precipitation In Inches | Precipitation In Inches | Precipitation In Inches | Precipitation In Inches | Precipitation In Inches | Precipitation In Inches | |
| MODESTO KTRB | 13.44 | 0.05 | 0.00 | 0.00 | 0.00 | 1.47 | 2.07 | 3.61 | 0.20 | 2.26 | 3.10 | 0.09 | 0.59 | 0.00 | 0.00 | T | 13.39 |
| MODESTO 2 | 13.77 | 0.04 | 0.00 | 0.00 | 0.00 | 1.45 | 2.19 | 4.44 | 0.20 | 2.51 | 2.33 | 0.22 | 0.39 | 0.00 | 0.00 | 0.00 | 13.73 |
| NEWMAN 2 NW | 13.59 | 0.11 | 0.00 | T | 0.00 | 1.71 | 2.38 | 4.35 | 0.32 | 1.88 | 2.58 | 0.03 | 0.23 | 0.00 | 0.00 | T | 13.48 |
| OKDALE | 20.21 | 0.06 | 0.00 | 0.00 | 0.00 | 2.48 | 3.06 | 4.32 | 0.40 | 2.91 | 5.83 | 0.28 | 0.87 | 0.00 | 0.00 | 0.02 | 20.17 |
| OKDALE WOODWARD DAM | 16.97 E | 0.07 | 0.00 | T | 0.00 | 2.23 | 2.52 | 3.81 | 0.38 | 2.33 | 4.91 | 0.22E | 0.50E | 0.00E | 0.00E | 0.02E | 16.92 E |
| ORETIMBA | 12.22 | 0.10 | 0.00 | 0.00 | 0.00 | 1.48 | 2.01 | 3.68 | 0.34 | 1.74 | 2.69 | 0.03 | 0.15 | 0.00 | 0.00 | 0.02 | 12.14 |
| PANOCHIE CREEK | 7.33 | 0.13 | 0.00 | 0.01 | 0.00 | 0.53 | 2.49 | 1.21 | 0.12 | 0.36 | 2.24 | 0.18 | 0.04 | 0.00 | 0.00 | 0.10 | 7.28 |
| PANOCHIE WATER DIST | 7.36 | 0.00 | 0.00 | 0.13 | 0.00 | 0.56 | 2.03 | 1.59 | 0.08 | 0.50 | 2.12 | T | 0.05 | 0.00 | 0.00 | 0.03 | 7.26 |
| PATTERSON | 13.19 | 0.17 | 0.00 | 0.00 | 0.00 | 1.45 | 2.53 | 3.94 | 0.15 | 2.32 | 2.52 | 0.03 | 0.08 | 0.00 | 0.00 | 0.01 | 13.03 |
| POSO CANAL CO HDQ | 10.35 | 0.03 | 0.00 | T | 0.00 | 0.82 | 2.61 | 1.94 | 0.22 | 1.21 | 3.22 | 0.02 | 0.28 | 0.00 | 0.00 | T | 10.32 |
| RIPON | 16.94 | 0.12 | 0.00 | 0.03 | 0.00 | 2.70 | 2.67 | 5.34 | 0.24 | 2.16 | 2.99 | 0.15 | 0.54 | 0.00 | 0.00 | 0.04 | 16.83 |
| SAN JUAN RCH CO | 12.18 | 0.00 | 0.00 | T | 0.00 | 1.52 | 2.80 | 2.43 | 0.15 | 1.58 | 3.55 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 12.18 |
| SAN LUIS CANAL CO HDQ | 11.03 | T | 0.00 | 0.03 | 0.00 | 1.60 | 2.62 | 2.31 | 0.12 | 1.09 | 3.03 | 0.23 | T | 0.00 | 0.00 | T | 11.00 |
| SNELLING | 18.12 | 0.02 | 0.00 | 0.10 | 0.00 | 2.16 | 3.30 | 3.03 | 0.68 | 2.78 | 5.44 | 0.43 | 0.18 | 0.00 | 0.00 | 0.08 | 18.08 |
| SNELLING 3 WNW | 15.62 | 0.00 | 0.00 | 0.00 | 0.00 | 2.15 | 2.48 | 2.74 | 0.48 | 2.57 | 4.73 | 0.26 | 0.21 | 0.00 | 0.00 | 0.00 | 15.62 |
| SOUTH DOS PALOS | 8.50E | 0.04 | 0.00E | 0.04 | 0.00 | 0.78 | 2.00 | 2.00 | 0.12 | 0.82 | 2.60 | 0.07 | 0.03 | 0.00 | 0.00 | T | 8.42 |
| TURLOCK | 14.27 | 0.09 | 0.00 | 0.01 | 0.00 | 1.73 | 2.20 | 3.67 | 0.26 | 1.87 | 3.94 | 0.20 | 0.30 | 0.00 | 0.00 | T | 14.17 |
| TURLOCK 5 SW | 19.25 | 0.08 | 0.00 | 0.15 | 0.00 | 1.65 | 2.40 | 5.95 | 0.45 | 3.50 | 4.47 | 0.30 | 0.30 | 0.00 | 0.00 | 0.00 | 19.02 |
| TURLOCK 8 WSW | 12.99 | 0.06 | 0.00 | 0.00 | 0.00 | 1.42 | 2.18 | 2.98 | 0.30 | 1.61 | 4.02 | 0.27 | 0.15 | 0.00 | 0.00 | 0.00 | 12.93 |
| WESTLEY | 12.75 | T | 0.19 | 0.00 | 0.00 | 1.83 | 2.28 | 4.37 | 0.15 | 1.97 | 1.62 | 0.14 | 0.20 | 0.00 | 0.00 | 0.00 | 12.56 |
| STANISLAUS RIVER | | | | | | | | | | | | | | | | | |
| ANGELS CAMP | 49.24 | 0.13 | 0.00 | 0.28 | 0.00 | 7.55 | 8.48 | 8.77 | 0.67 | 10.02 | 10.25 | RB | 1.32 | 0.00 | 0.00 | 0.11 | - |
| BEARDSLEY DAM | 59.52 | 0.03 | 0.00 | 0.28 | 0.00 | 8.58 | 10.72 | 11.25 | 0.81 | 11.97 | 12.38 | 2.49 | 1.05 | 0.00 | 0.39 | 0.90 | 50.12 |
| CALAVERAS RANGER STA | - | - | - | - | 0.00E | 5.29 | 5.49 | 6.97 | 0.70 | 4.54 | 6.55 | 0.66 | 1.01 | 0.00 | 0.02 | 0.71 | 59.94 |
| COPPEROPOLIS | 60.85 | 0.02 | 0.00 | 0.23 | T | 9.18 | 11.47 | 11.18 | 0.84 | 11.60 | 12.40 | 2.54 | 1.39 | 0.00 | 0.00 | 0.05 | 30.74 E |
| HUNTERS DAM | | | | | | | | | | | | | | | | 0.70 | 61.32 |
| MELONES DAM | 37.65 | 0.05 | 0.00 | T | 0.00 | 6.04 | 6.16 | 6.67 | 0.99 | 5.31 | 10.51 | 0.78 | 1.14 | 0.00 | 0.00 | 0.05E | 37.65E |
| PINECREST STRAWBERRY | 61.47 | 0.25 | 0.00 | 0.36 | 0.00 | 10.19 | 8.65 | 10.72 | 0.87 | 15.27 | 12.42 | 1.89 | 0.85 | 0.00 | 1.83 | 0.93 | 63.62 |
| PINECREST SUMMIT R S | - | 0.28 | 0.00 | 0.31 | 0.00 | 9.95 | 6.59 | 10.74 | 0.76 | - | - | * | v2.64 | 0.01 | 1.20 | 0.82 | - |
| SPRING GAP FOREBAY | 59.05E | T | 0.15 | 0.30 | 0.00 | 9.66E | 9.54 | 10.74 | 0.96 | 12.89 | 12.22 | 2.08 | 0.51 | 0.00 | 0.37 | 1.50 | 60.47E |
| STANISLAUS P H | 46.23 | T | 0.00 | 0.23 | 0.00 | 6.76 | 7.74 | 8.93 | 0.66 | 8.23 | 11.04 | 1.33 | 1.31 | 0.00 | 0.04 | 0.64 | 46.68 |
| TULLOCH DAM | 28.58 | 0.02 | 0.00 | 0.01 | 0.00 | 3.90 | 5.04 | 5.59 | 0.72 | 4.30 | 7.47 | 0.56 | 0.97 | 0.00 | 0.00 | 0.03 | 28.58 |
| TUOLUMNE RIVER | | | | | | | | | | | | | | | | | |
| CHERRY VALLEY DAM | 63.76 | 0.03 | 0.00 | 0.12 | 0.00 | 8.14 | 13.91 | 11.75 | 1.10 | 12.62 | 12.54 | 1.53 | 2.02 | 0.00 | 0.15 | 1.06 | 64.82 |
| DON PEDRO RESERVOIR | 27.64 | 0.10 | 0.00 | 0.06 | 0.00 | 4.61 | 4.65 | 4.33 | 0.74 | 4.14 | 7.54 | 0.89 | 0.58 | 0.00 | 0.00 | 0.08 | 27.56 |
| EARLY INTAKE P H | 38.87 | 0.05 | T | 0.23 | 0.00 | 6.41 | 6.31 | 5.90 | 0.85 | 7.37 | 10.14 | 0.75 | 0.86 | 0.00 | 0.00 | 0.19 | 38.78 |
| GROVELAND 2 | - | 0.00 | 0.00 | 0.29 | 0.00 | 8.79 | 7.74 | 7.76 | 0.96 | - | - | - | 0.94 | 0.00 | 0.00 | - | - |
| GROVELAND R S | 52.14 | 0.05 | 0.00 | 0.62 | 0.00 | 8.08 | 8.56 | 9.27 | 1.03 | 10.32 | 12.24 | 1.03 | 0.94 | 0.00 | 0.50 | 0.81 | 52.78 |

TABLE A-2 (Cont.)

PRECIPITATION DATA

SAN JOAQUIN VALLEY

| Station Name | Precipitation In Inches | | | | | | | | | | | | | | | Total Oct.1 To Sept.30 | |
|------------------------|-------------------------|-------|-------|------|-------|------|-------|--------|------|-------|--------|------|------|------|-------|---------------------------------|--------|
| | 1966 | | | | | | 1967 | | | | | | | | | | |
| | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | | |
| HETCH HETCHY | 47.72 | 0.01 | 0.00 | 0.38 | 0.00 | 6.60 | 8.47 | 7.54 | 0.58 | 8.83 | 12.49 | 1.26 | 1.56 | T | 0.60 | 0.88 | 48.81 |
| LAKE ELEANOR | 53.14 | 0.06 | 0.00 | 0.15 | 0.00 | 7.48 | 11.40 | 10.70 | 0.90 | 9.10 | 10.30 | 1.50 | 1.55 | 0.02 | 0.09 | 1.00 | 54.04 |
| MATHER | 44.19 | T | 0.63 | 0.00 | 0.63 | 6.64 | 7.93 | 6.56 | 0.67 | 8.44 | 11.30 | 1.06 | 0.96 | 0.00 | 1.25 | 1.03 | 45.84 |
| MOCCASIN | 46.49 | 0.01 | 0.00 | 0.13 | 0.00 | 7.28 | 6.93 | 6.59 | 0.89 | 10.46 | 12.33 | 0.94 | 0.93 | 0.00 | 0.51 | 0.99 | 47.85 |
| SONORA R S | 41.69 | 0.04 | 0.00 | 0.21 | 0.00 | 6.87 | 7.57 | 7.05 | 0.78 | 6.36 | 10.32 | 1.35 | 1.14 | 0.00 | T | 0.23 | 41.67 |
| MERCED RIVER | - | NR | NR | NR | 0.00 | 5.13 | 6.17 | 4.99 | 1.00 | 6.14 | 8.63 | 1.12 | - | - | - | - | - |
| BEAR VALLEY | - | - | - | - | 0.00 | 4.30 | 1.80 | 6.10 | 1.10 | 4.50 | 10.95 | * | 1.45 | 0.00 | 0.00 | 0.25 | 30.45 |
| CATHEYS VALLEY 3 NNW | 36.59 | 0.03 | 0.00 | 0.28 | 0.00 | 5.15 | 5.31 | 4.57 | 0.81 | 7.77 | 10.71 | 0.99 | 0.97 | 0.00 | 0.00 | 0.20 | 36.48 |
| COULTERVILLE FFS | 48.49 | 0.05 | 0.00 | 0.36 | 0.00 | 7.68 | 7.88 | 8.97 | 1.14 | 9.78 | 11.53 | 0.44 | 0.66 | 0.00 | T | 0.55 | 48.73 |
| DUDLEYS | 26.04 | 0.05 | 0.00 | 0.15 | 0.00 | 1.92 | 4.14 | 3.84 | 0.86 | 5.21 | 8.54 | 0.35 | 0.98 | 0.00 | 0.00 | 0.06 | 25.90 |
| EXCHEQUER RES | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| GREELY HILL 1 N | 50.21 | 0.00 | 0.00 | 0.35 | 0.00 | 7.32 | 8.15 | 8.95 | 1.10 | 10.61 | 11.57 | 1.55 | 0.61 | 0.00 | 0.00 | 0.40 | 50.26 |
| HORNITOS ERICKSON RCH | - | - | - | - | 0.00 | 4.35 | 5.25 | 4.67 | 0.97 | 4.64 | 8.65 | 0.60 | 0.70 | 0.00 | 0.00 | 0.16 | 29.99 |
| HORNITOS GILES RCH | 26.60 | 0.11 | 0.00 | 0.07 | 0.00 | 4.05 | 5.04 | 4.22 | 0.87 | 3.61 | 7.58 | 0.66 | 0.39 | T | 0.00 | 0.16 | 26.58 |
| HORNITOS USCE | - | - | - | - | - | - | - | 4.51 | 0.83 | 3.30 | 6.97 | - | - | - | - | - | - |
| INDIAN GULCH | 26.56E | 0.12 | 0.00 | 0.07 | 0.00E | 4.27 | 4.88 | 3.85 | 0.98 | 2.90 | 7.75 | 0.47 | 0.27 | 0.00 | 0.00 | 0.11 | 26.48E |
| JERSEYDALE G S | - | T | 0.00 | 0.64 | 0.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| MARIPOSA | 40.24 | T | 0.00 | 0.34 | 0.00 | 5.85 | 7.16 | 6.04 | 0.90 | 7.62 | 10.30 | 1.14 | 0.89 | 0.00 | 0.00 | 0.61 | 40.51 |
| MARIPOSA REYNOLDS | 44.12 | 0.05 | 0.00 | 0.40 | 0.00 | 5.77 | 8.97 | 6.25 | 0.97 | 8.35 | 11.48 | 0.85 | 1.03 | 0.00 | 0.00 | 0.60 | 44.37 |
| MARIPOSA R S | 39.69E | 0.04 | 0.00 | 0.23 | 0.00 | 6.40 | 7.66 | 5.85 | 0.90 | * | 16.89E | 1.12 | 0.60 | 0.00 | 0.09 | 0.34 | 39.85E |
| MC DIERMID STA | - | 0.01 | 0.00 | 0.10 | 0.00 | - | - | - | - | - | - | - | 0.71 | 0.00 | 0.00 | 0.35 | - |
| SO ENTRANCE YOSEMITE | 71.68E | 0.04 | 0.00 | 0.64 | 0.00 | 9.85 | 16.07 | 12.21E | 0.61 | 16.46 | 13.94 | 1.66 | 0.20 | 0.00 | T | 1.53 | 72.53E |
| WAWONA R S | - | 0.00 | 0.00 | 0.49 | 0.00 | - | - | 9.96 | 0.61 | * | 26.70v | 1.60 | 0.34 | 0.00 | 0.00 | 1.11 | 56.56 |
| YOSEMITE NAT PARK | 55.11 | T | T | 0.42 | 0.00 | 7.12 | 10.87 | 10.47 | 0.57 | 11.53 | 12.10 | 1.61 | 0.40 | 0.45 | 0.53 | 0.89 | - |
| FRESNO-CHOWCHILLA R | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| AHWAHNEE 2 NNW | 40.38 | 0.07 | 0.00 | 0.23 | 0.00 | 5.81 | 7.77 | 6.59 | 1.04 | 6.24 | 10.83 | 1.15 | 0.65 | 0.00 | 0.00 | 0.86 | 40.94 |
| 9IG CEDAR SPRINGS | - | T | T | - | - | - | - | 6.64 | RE | - | - | - | - | - | - | - | - |
| CATHEYS VAL BULL RUN R | 29.01 | 0.10 | 0.00 | 0.20 | 0.00 | 4.01 | 5.13 | 4.52 | 0.79 | 4.97 | 8.04 | 0.55 | 0.70 | 0.00 | 0.00 | T | 28.71 |
| CATHEYS VALLEY SAWYER | 28.10 | 0.10 | 0.00 | 0.06 | 0.00 | 3.81 | 5.14 | 4.38 | 0.89 | 4.65 | 8.11 | 0.57 | 0.39 | 0.00 | 0.00 | 0.13 | 28.07 |
| CATHEYS VAL STONHOUSE | 27.65 | 0.12 | 0.00 | 0.00 | 0.00 | 3.95 | 5.11 | 3.95 | 0.87 | 5.10 | 7.56 | 0.85 | 0.14 | 0.00 | 0.00 | 0.17 | 27.70 |
| COARSEGOLD | - | 0.06 | 0.00 | 0.22 | 0.00 | 4.51 | 10.24 | 5.58 | 0.98 | 6.57 | 11.89 | 0.84 | - | 0.00 | 0.00 | 0.89 | - |
| DAULTON | 23.37 | 0.00 | 0.00 | 0.02 | 0.00 | 3.35 | 4.31 | 3.79 | 0.55 | 3.12 | 7.48 | 0.50 | 0.25 | 0.00 | 0.00 | 0.07 | 23.42 |
| HIDDEN VALLEY | 43.58 | 0.06 | 0.00 | 0.27 | 0.00 | 6.21 | 7.63 | 7.74 | 0.94 | 9.18 | 9.98 | 0.87 | 0.70 | 0.00 | 0.01 | 0.54 | 43.80 |
| MARIPOSA 8 ESE | 44.19 | 0.03 | 0.00 | 0.25 | 0.00 | 6.93 | 8.17 | 6.65 | 0.83 | 7.80 | 12.30 | 0.68 | 0.55 | 0.00 | T | 0.70 | 44.61 |
| MARIPOSA USONA | - | - | 0.00 | 0.00 | 0.00 | 5.64 | 10.75 | 8.50 | 0.80 | RE | - | - | - | - | - | - | - |
| OAKHURST | 45.34E | 0.00E | 0.00 | 0.35 | 0.00 | 5.43 | 10.34 | 6.56 | 0.73 | 7.75 | 12.65 | 0.93 | 0.60 | 0.00 | 0.00 | 0.86 | 45.85 |
| RAYMOND 3 SSW | 23.79 | 0.24 | 0.00 | 0.00 | 0.00 | 2.80 | 4.70 | 3.50 | 0.60 | 3.75 | 7.45 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 23.55 |
| RAYMOND 10 N | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| RAYMOND 12 NNE | 35.84 | 0.00 | 0.00 | 0.12 | 0.00 | 5.10 | 6.69 | 5.01 | 0.73 | 5.41 | 11.37 | 0.99 | 0.42 | 0.00 | 0.00 | 0.64 | 36.36 |
| ROCKY VILLAGE | 25.44 | 0.00 | 0.00 | 0.02 | 0.00 | 2.68 | 5.14 | 4.18 | 0.90 | 3.80 | 7.99 | 0.59 | 0.14 | 0.00 | 0.00 | 0.15 | 25.57 |

TABLE A-2 (Cont.)

PRECIPITATION DATA SAN JOAQUIN VALLEY

| Station Name | Precipitation in Inches | | | | | | | | | | | | | | | | |
|-----------------------|----------------------------------|-------|-------|-------|-------|-------|--------|------|------|-------|-------|------|-------|---------------------------------|-------|-------|--------|
| | Total July 1 To June 30 | 1966 | | | | | | 1967 | | | | | | Total Oct.1 To Sept.30 | | | |
| | | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | | July | Aug. | Sept. |
| TRIANGLE-YORK | 54.64 | 0.03 | 0.00 | 0.32 | 0.00 | 7.86 | 10.53 | 8.25 | 0.68 | 11.85 | 13.75 | 1.05 | 0.32 | 0.00 | T | 1.23 | 55.52 |
| WESTFALL R S | 75.49 | 0.00 | 0.00 | 0.52 | 0.00 | 10.56 | 19.79 | 7.87 | 1.17 | 14.70 | 18.58 | 1.57 | 0.73 | 0.00 | 0.05 | 1.54 | 76.56 |
| WHITE ROCK-PRESTON | - | - | - | - | - | - | - | 4.03 | 0.82 | 5.18 | 6.31 | - | - | - | - | - | - |
| SAN JOAQUIN RIVER | | | | | | | | | | | | | | | | | |
| AUBERRY 1 NNE | 38.40 | 0.01 | 0.00 | 0.12 | 0.00 | 3.66 | 9.36 | 5.11 | 0.70 | 7.72 | 10.90 | 0.80 | 0.02 | 0.00 | T | 0.69 | 38.96 |
| BIG CREEK PH NO 1 | 52.40 | T | 0.02 | 0.25 | 0.00 | 4.58 | 13.06 | 7.92 | 0.84 | 11.33 | 11.44 | 2.28 | 0.68 | T | 0.20 | 1.03 | 53.36 |
| BIG CREEK PH NO 2 | 45.41 | T | 0.00 | 0.19 | 0.00 | 3.40 | 11.34 | 8.65 | 0.67 | 8.34 | 10.45 | 2.04 | 0.33 | 0.00 | 0.44 | 0.99 | 46.65 |
| BIG CREEK PH NO 3 | 38.25 | T | 0.00 | 0.30 | 0.00 | 2.60 | 7.91 | 6.59 | 0.63 | 8.45 | 10.65 | 1.15 | 0.17 | 0.00 | T | 0.77 | 38.72 |
| BIG CREEK PH NO 8 | 44.50 | 0.00 | 0.00 | 0.30 | 0.00 | 2.97 | 12.18 | 7.44 | 0.58 | 7.36 | 11.01 | 2.24 | 0.45 | 0.00 | 0.13 | 0.81 | 45.17 |
| CRANE VALLEY PH | 61.65 | 0.01 | 0.00 | 0.08 | 0.00 | 7.87 | 16.09 | 8.83 | 1.09 | 10.94 | 14.87 | 1.60 | 0.27 | 0.00 | T | 1.22 | 62.78 |
| FLORENCE LAKE | 38.78E | 0.02 | 1.12 | 0.08 | 0.02E | 3.68E | 10.17E | 7.95 | 0.75 | 6.85 | 6.45 | 0.92 | 0.77 | 1.17 | 1.89 | 1.78 | 42.40E |
| FRIANT GOVERNMENT CP | 21.44 | 0.01 | 0.00 | 0.03 | 0.00 | 2.11 | 4.13 | 3.25 | 0.86 | 3.04 | 7.43 | 0.33 | 0.25 | 0.00 | 0.00 | 0.13 | 21.53 |
| FRIANT-STILLWELL | 25.66 | 0.00 | 0.00 | 0.00 | 0.00 | 2.57 | 5.13 | 3.85 | 0.52 | 4.16 | 8.65 | 0.52 | 0.26 | 0.00 | 0.00 | 1.05 | 26.71 |
| HUNTINGTON LAKE | 52.68 | 0.02 | 0.47 | 0.26 | 0.00 | 4.36 | 12.11 | 8.57 | 1.09 | 10.90 | 12.40 | 2.13 | 0.37 | 0.05 | 0.33 | 1.51 | 53.82 |
| MEADOW LAKE | 36.76 | T | 0.00 | 0.13 | 0.00 | 3.50 | 9.78 | 3.50 | 0.44 | 7.33 | 10.75 | 1.14 | 0.19 | 0.00 | T | 0.53 | 37.16 |
| MT GIVENS | - | 0.00E | 0.5 E | 0.1 E | 0.00E | 4.3 E | 6.9 | - | 0.8 | - | - | - | - | - | 3.2 | 1.4 | - |
| NORTH FORK R S | 51.39 | 0.00 | 0.00 | 0.08 | 0.00 | 4.17 | 12.48 | 7.34 | 1.25 | 10.37 | 14.09 | 1.16 | 0.45 | 0.02 | T | 1.11 | 52.44 |
| SAN JOAQUIN EXP RGE | 27.21 | 0.01 | 0.00 | 0.07 | 0.00 | 3.03 | 5.57 | 4.05 | 0.83 | 4.18 | 8.23 | 0.98 | 0.26 | 0.00 | 0.00 | 0.33 | 27.46 |
| SAN JOAQ VAL WESTSIDE | | | | | | | | | | | | | | | | | |
| CASTLE ROCK RAD LAB | 13.82 | 0.21 | 0.00 | 0.00 | 0.00 | 1.83 | 1.88 | 4.11 | 0.21 | 2.80 | 2.44 | 0.06 | 0.28 | 0.00 | 0.00 | T | 13.61 |
| DEL PUERTO ROAD CAMP | 19.68 | 0.22 | 0.00 | 0.00 | 0.00 | 3.88 | 2.34 | 6.02 | 0.06 | 4.15 | 2.49 | 0.10 | 0.42 | 0.00 | 0.00 | 0.00 | 19.46 |
| IDRIA | 23.06 | 0.62 | 0.00 | 0.18 | 0.00 | 2.21 | 5.14 | 3.78 | 0.48 | 5.90 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33E | 22.58E |
| KERLINGER | 10.00 | 0.20 | 0.00 | 0.02 | 0.00 | 1.39 | 1.46 | 2.82 | 0.14 | 1.61 | 2.03 | 0.02 | 0.31 | 0.00E | 0.00 | 0.01 | 9.49E |
| LONE TREE CANYON | - | - | - | - | - | - | - | - | - | - | - | 0.80 | 0.19 | 0.00 | 0.00 | 0.02 | - |
| LOS BANOS ARBURUA RCH | 9.80 | 0.29 | 0.00 | 0.15 | 0.00 | 0.54 | 2.79 | 2.30 | 0.09 | 1.27 | 2.32 | 0.02 | 0.03 | 0.00 | 0.00 | 0.02 | 9.38 |
| MERCY HOT SPRINGS | - | 0.21 | 0.00 | 0.28 | 0.00 | 0.57 | 3.03 | 2.64 | - | - | - | - | - | - | - | - | - |
| PACHECO PASS | 17.81 | 0.00 | 0.00 | 0.03 | 0.00 | 1.63 | 4.59 | 4.67 | 0.25 | * | v6.19 | * | v0.45 | 0.00E | 0.00E | T | 17.78E |
| PANOCHE | 10.98 | 0.57 | 0.00 | 0.14 | 0.00 | 1.18 | 3.13 | 2.27 | 0.13 | 1.92 | 1.61 | 0.03 | T | 0.00 | 0.00 | 0.11 | 10.38 |
| PANOCHE 2 W | - | - | - | - | 0.00 | 2.38 | 4.15 | 3.01 | 0.07 | 2.19 | 2.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 14.24 |
| PFEIFFER RCH | 28.11 | 0.48 | 0.00 | 0.43 | 0.00 | 2.96 | 6.11 | 5.01 | 0.51 | 5.35 | 6.54 | 0.45 | 0.27 | 0.00 | 0.00 | 0.02 | 27.22 |
| SAN LUIS DAM | 12.10 | 0.12 | 0.00 | 0.07 | 0.00 | 1.35 | 3.04 | 3.06 | 0.23 | 1.10 | 2.61 | 0.12 | 0.40 | 0.00 | 0.00 | 0.02 | 11.93 |
| TULARE LAKE BASIN | | | | | | | | | | | | | | | | | |
| TULARE LAKE VAL FL | | | | | | | | | | | | | | | | | |
| ANGIOLA | 9.10 | T | 0.00 | 0.06 | 0.00 | 0.65 | 3.34 | 0.97 | 0.11 | 1.14 | 2.59 | 0.10 | 0.14 | 0.00 | 0.00 | 0.00 | 9.04 |
| ARVIN | 7.40E | 0.00 | 0.00 | 0.13 | 0.00 | 0.44 | 0.97 | 0.95 | 0.04 | 0.99 | 3.62 | 0.26 | 0.00E | 0.00E | 0.00 | 0.82 | 8.09E |
| AVENAL WALDEN | 7.48 | 0.10 | 0.00 | T | 0.00 | 0.57 | 2.56 | 1.39 | 0.17 | 1.39 | 1.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.13 | 7.51 |
| AVENAL ORCHARD | 13.12 | 0.06 | 0.00 | 0.00 | 0.00 | 0.96 | 6.36 | 0.92 | 0.22 | 1.60 | 2.74 | 0.00 | 0.26 | 0.00 | 0.00 | 0.10 | 13.16 |
| BAKERSFIELD 1 W | 7.91 | 0.00 | T | 0.09 | 0.00 | 1.22 | 1.36 | 1.11 | 0.07 | 0.44 | 3.04 | 0.33 | 0.25 | 0.00 | 0.00 | 0.24 | 8.06 |

TABLE A-2 (Cont.)

PRECIPITATION DATA

SAN JOAQUIN VALLEY

| Station Name | Precipitation In Inches | | | | | | | | | | | | | | | Total Oct.1 To Sept.30 |
|-----------------------|-------------------------|-------|-------|------|------|------|-------|------|-------|-------|------|------|------|-------|-------|---------------------------------|
| | 1966 | | | | | 1967 | | | | | | | | | | |
| | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | |
| BAKERSFIELD WB AP | 7.13 | T | 0.03 | T | 0.88 | 1.58 | 0.96 | 0.03 | 0.52 | 2.65 | 0.28 | 0.20 | T | 0.00 | 0.11 | 7.21 |
| BELLEVEUE | 6.61 | T | 0.15 | 0.00 | 0.89 | 0.78 | 1.15 | 0.04 | 0.56 | 2.49 | 0.35 | 0.20 | 0.00 | 0.00 | 0.36 | 6.82 |
| BLACKWELLS CORNER | 5.05E | 0.00E | 0.00 | 0.00 | 0.74 | 1.49 | 0.47 | 0.01 | 0.43 | 1.78 | 0.06 | 0.06 | 0.00 | 0.00E | 0.05E | 5.09E |
| BUENA VISTA RCH | 6.71 | 0.00 | 0.13 | 0.00 | 0.90 | 0.85 | 1.07 | 0.08 | 0.33 | 3.12 | 0.23 | 0.00 | 0.00 | 0.00 | 0.14 | 6.72 |
| BUENA VISTA RCH M&L | 4.52 | 0.00 | 0.00 | 0.00 | 0.20 | 0.34 | 0.65 | 0.07 | 0.45 | 2.64 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 4.52 |
| BUENA VISTA RCH M&L2 | 4.05 | 0.00 | 0.00 | 0.00 | 0.26 | 0.49 | 0.51 | 0.06 | 0.38 | 2.18 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 4.05 |
| BUTTONWILLOW | 4.88 | 0.00 | 0.13 | 0.00 | 0.80 | 0.69 | 0.83 | 0.03 | 0.51 | 1.67 | 0.20 | 0.02 | 0.00 | 0.00 | 0.10 | 4.85 |
| CANFIELD RANCH | 7.12 | 0.00 | 0.17 | 0.00 | 0.72 | 0.61 | 0.93 | 0.08 | 0.48 | 3.62 | 0.36 | 0.15 | RE | 0.00 | 0.32 | 8.17 |
| CANTUA RANCH | 8.21 | 0.25 | 0.00 | 0.11 | 0.00 | 2.32 | 1.46 | 0.00 | 0.57 | 3.01 | 0.33 | 0.05 | 0.00 | 0.00 | 0.19 | 11.96 |
| CARTHURS 4 E | 11.97 | 0.02 | 0.18 | 0.00 | 1.75 | 3.35 | 1.74 | 0.09 | 1.37 | 2.59 | 0.11 | 0.77 | 0.00 | 0.00 | 0.19 | 11.96 |
| CITRUS | 8.03 | 0.00 | 0.06 | 0.00 | 0.45 | 1.27 | 0.95 | 0.16 | 0.99 | 3.93 | 0.22 | T | 0.00 | 0.00 | 0.22 | 8.19 |
| COALINGA | 10.24 | 0.26 | 0.09 | 0.00 | 0.78 | 3.91 | 1.81 | 0.11 | 1.17 | 2.08 | 0.02 | 0.01 | 0.00 | 0.00 | 0.11 | 10.00 |
| COALINGA 1 SE | 8.46 | 0.33 | 0.00 | 0.03 | 0.00 | 3.17 | 1.47 | 0.10 | 0.79 | 1.81 | 0.05 | 0.00 | 0.00 | 0.00 | 0.06 | 8.16 |
| COALINGA CDF | 10.06 | 0.26 | 0.00 | 0.13 | 0.00 | 3.79 | 1.73 | 0.09 | 1.00 | 2.20 | 0.02 | 0.01 | 0.00 | 0.00 | 0.09 | 9.76 |
| COALINGA FEED YARD | - | - | - | 0.00 | 0.76 | 3.84 | 1.46 | 0.08 | 0.98 | 1.89 | 0.04 | 0.00 | 0.00 | 0.00 | 0.10 | 9.15 |
| COIT RANCH HDQ | 7.56 | 0.20 | 0.01 | 0.00 | 0.34 | 2.36 | 1.31 | 0.11 | 2.06 | 1.55 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 |
| CORCORAN IRRIG DIST | 8.71 | 0.01 | 0.00 | 0.01 | 0.67 | 2.95 | 0.98 | 0.05 | 1.12 | 2.46 | 0.02 | 0.44 | 0.00 | 0.00 | 0.04 | 8.73 |
| CORCORAN EL RICO 1 | 8.23 | T | 0.00 | 0.08 | 0.61 | 2.60 | 0.91 | 0.00 | 1.01 | 2.64 | 0.05 | 0.33 | 0.00 | 0.00 | T | 8.15 |
| CORCORAN EL RICO 33 | - | - | - | 0.00 | 0.97 | 2.71 | 0.78 | 0.05 | 1.16 | 2.64 | 0.06 | 0.29 | 0.00 | 0.00 | 0.27 | 8.93 |
| DELANO | 10.69 | 0.00 | 0.08 | 0.00 | 1.18 | 2.46 | 1.09 | 0.15 | 0.74 | 3.70 | 0.26 | 1.03 | 0.00 | 0.00 | 0.10 | 10.71 |
| DEVILS DEN | 7.60 | 0.00 | 0.00 | 0.00 | 0.57 | 3.15 | 0.46 | 0.02 | 1.12 | 2.05 | T | 0.23 | 0.00 | 0.00 | 0.08 | 7.68 |
| DIGIORGIO | 6.77 | 0.00 | 0.13 | 0.04 | 0.38 | 1.06 | 1.04 | 0.04 | 0.84 | 2.94 | 0.30 | 0.00 | 0.00 | 0.00 | 0.42 | 7.06 |
| DINUBA ALTA IO | 14.87 | 0.02 | 0.00 | 0.05 | 0.00 | 1.13 | 2.18 | 0.27 | 2.37 | 3.80 | 0.28 | 0.37 | 0.00 | 0.00 | 0.14 | 14.94 |
| EIGHTH STAND RCH | 6.94 | 0.00 | 0.05 | 0.00 | 0.28 | 0.58 | 0.87 | 0.06 | 1.12 | 3.78 | 0.20 | 0.00 | 0.00 | 0.00 | 0.20 | 7.04 |
| EXETER FAUVER RCH | 16.32 | 0.00 | 0.00 | 0.00 | 1.47 | 5.01 | 2.01 | 0.26 | 2.10 | 5.09 | 0.32 | 0.06 | 0.00 | 0.00 | 0.98 | 17.30 |
| FIVE POINTS 5 SSW | 6.69 | 0.28 | 0.05 | 0.00 | 0.29 | 1.86 | 1.49 | 0.10 | 1.04 | 1.43 | 0.12 | 0.03 | 0.00 | 0.00 | 0.23 | 6.59 |
| FIVE POINTS-DIENER | 6.98 | 0.21 | 0.18 | 0.00 | 0.29 | 1.94 | 1.43 | T | 0.98 | 1.80 | 0.12 | 0.03 | 0.00 | 0.00 | 0.34 | 6.93 |
| FOUNTAIN SPRINGS FS | 18.40 | 0.02 | 0.00 | 0.00 | 3.46 | 5.11 | 1.83 | 0.26 | 1.14 | 5.55 | 0.37 | 0.66 | 0.12 | T | 0.40 | 18.90 |
| FRESNO WB AP | 14.99 | 0.03 | 0.00 | 0.03 | 0.00 | 1.57 | 3.04 | 2.21 | 3.15 | 4.41 | 0.19 | 0.14 | T | T | T | 14.93 |
| FRESNO CO WESTSIDE FD | 7.67 | 0.30 | 0.00 | 0.00 | 0.61 | 2.38 | 1.05 | 0.09 | 1.09 | 2.05 | 0.07 | 0.02 | 0.00 | 0.00 | 0.13 | 7.49 |
| GIN YARD | 4.81 | 0.00 | 0.00 | 0.00 | 0.18 | 0.33 | 0.68 | 0.09 | 0.40 | 2.94 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 4.81 |
| HANFORD | 11.31 | 0.04 | 0.29 | 0.00 | 1.28 | 2.57 | 1.41 | 0.05 | 2.42 | 2.95 | 0.07 | 0.23 | 0.00 | 0.00 | 0.31 | 11.29 |
| HANFORD WELL #21 | 10.64 | 0.04 | 0.30 | 0.00 | 1.10 | 2.77 | 1.14 | 0.05 | 2.21 | 2.63 | 0.10 | 0.29 | 0.00 | 0.00 | 0.13 | 10.43 |
| HOMELAND DIST SEC 9 | 8.45 | 0.00 | 0.00 | 0.00 | 0.67 | 2.40 | 1.02 | 0.07 | 1.39 | 2.66 | 0.06 | 0.18 | 0.00 | 0.00 | 0.02 | 8.47 |
| HOMELAND DIST SEC 34 | 7.35 | 0.00 | 0.00 | 0.00 | 0.50 | 2.44 | 0.98 | 0.09 | 0.89 | 2.19 | 0.06 | 0.20 | 0.00 | 0.00 | 0.00 | 7.35 |
| HURON RCH | 6.51 | 0.28 | 0.00 | 0.00 | 0.15 | 2.64 | 0.82 | 0.04 | 0.78 | 1.56 | 0.19 | 0.05 | 0.00 | 0.00 | 0.13 | 6.36 |
| IVANHOE I D | 15.26 | T | 0.00 | 0.00 | 1.11 | 5.02 | 2.03 | 0.31 | 1.90 | 4.52 | 0.19 | 0.18 | 0.00 | 0.00 | 0.41 | 15.67 |
| KETTLEMAN CITY | 7.15E | 0.03 | 0.00 | 0.01 | 0.00 | 0.62 | 1.67E | 1.04 | 0.06E | 1.32E | T | 0.63 | 0.00 | 0.00 | 0.00 | 7.11E |
| KETTLEMAN HILLS | 5.38 | 0.16 | 0.00 | 0.00 | 0.45 | 1.33 | 0.81 | 0.05 | 1.05 | 1.41 | 0.12 | 0.00 | 0.00 | 0.00 | 0.03 | 5.25 |
| KETTLEMAN STATION | 7.16 | 0.34 | 0.00 | T | 0.54 | 1.56 | 1.00 | 0.17 | 1.46 | 1.75 | 0.33 | 0.01 | 0.00 | 0.00 | T | 6.82 |

TABLE A-2 (Cont.)
PRECIPITATION DATA
SAN JOAQUIN VALLEY

| Station Name | Precipitation In Inches | | | | | | | | | | | | | | | Total July 1 To June 30 | Total Oct.1 To Sept.30 |
|-----------------------|-------------------------|------|-------|------|------|------|-------|------|-------|-------|------|------|-------|-------|-------|----------------------------------|---------------------------------|
| | 1966 | | | | | | 1967 | | | | | | | | | | |
| | July | Aug | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | | |
| LINDSAY | 16.28 | 0.00 | 0.02 | 0.00 | 1.19 | 5.68 | 1.99 | 0.28 | 1.90 | 4.84 | 0.16 | 0.22 | 0.00 | 0.00 | 0.58 | 16.84 | |
| LOST HILLS | 6.11 | 0.00 | 0.00 | 0.05 | 0.50 | 1.15 | 0.73 | 0.01 | 0.42 | 2.59 | 0.17 | 0.49 | 0.05 | 0.00 | 0.51 | 6.62 | |
| MAGUNDEN | 7.08 | 0.00 | 0.00 | 0.00 | 0.88 | 1.47 | 0.83 | 0.06 | 0.48 | 3.02 | 0.24 | 0.02 | 0.00 | 0.00 | 0.30 | 7.30 | |
| MARICOPA | 4.39 | 0.00 | 0.00 | 0.32 | 0.00 | 0.64 | 0.54 | 0.00 | 0.37 | 1.85 | 0.02 | 0.00 | 0.00 | 0.00E | 0.36 | 4.43E | |
| MENDOTA MURIETTA RCH | 8.59 | 0.13 | 0.00 | 0.01 | 0.00 | 2.50 | 1.09 | 0.10 | 1.38 | 3.02 | 0.33 | 0.00 | 0.00 | 0.00 | 0.07 | 8.52 | |
| MENDOTA HALFWAY PUMP | 8.31 | 0.24 | 0.00 | 0.29 | 0.76 | 1.96 | 1.43 | 0.28 | 0.77 | 2.37 | 0.18 | 0.03 | 0.00 | 0.00 | 0.47 | 8.22E | |
| MOODY RCH | 7.71 | 0.00 | 0.06 | 0.00 | 0.40 | 0.88 | 1.09 | 0.15 | 1.14 | 3.77 | 0.22 | T | 0.00 | 0.00 | 0.27 | 7.92 | |
| NORTH BELRIDGE | 4.92 | 0.00 | 0.00 | 0.00 | 0.56 | 1.33 | 0.41 | 0.01 | 0.29 | 1.92 | 0.10 | 0.30 | 0.00 | 0.00 | 0.03 | 4.95 | |
| OILFIELDS FS | 9.04 | 0.20 | 0.00 | 0.60 | 0.78 | 3.18 | 1.23 | 0.06 | 1.02 | 1.59 | 0.38 | 0.00 | 0.00 | 0.00 | 0.16 | 8.40 | |
| OLD RIVER 3 S | 4.40 | 0.00 | 0.00 | 0.05 | 0.30 | 0.46 | 0.66 | 0.07 | 0.54 | 2.07 | 0.14 | 0.11 | 0.00 | 0.00 | 0.14 | 4.49 | |
| ORANGE COVE | 17.38E | 0.00 | 0.00 | 0.17 | 0.94 | 5.43 | 2.35 | 0.45 | 2.37 | 4.88E | 0.58 | 0.21 | 0.03 | 0.00 | 0.31 | 17.55E | |
| PORTERVILLE | 16.04 | 0.00 | 0.00 | 0.02 | 1.44 | 5.60 | 1.92 | 0.34 | 1.49 | 4.78 | 0.28 | 0.17 | 0.00 | 0.00 | 0.79 | 16.81 | |
| PORTERVILLE 3 W | 14.19 | 0.00 | 0.00 | 0.00 | 1.24 | 4.78 | 1.75 | 0.28 | 1.40 | 4.43 | 0.31 | 0.00 | 0.00 | 0.00 | 0.64 | 14.83 | |
| POSO RCH | 8.55 | 0.00 | T | 0.00 | 1.46 | 1.64 | 0.91 | 0.07 | 0.59 | 3.16 | 0.20 | 0.52 | 0.00 | 0.00 | 0.10 | 8.65 | |
| RECTOR | 13.56 | 0.04 | 0.00 | 0.00 | 0.94 | 3.91 | 1.84 | 0.21 | 1.55 | 4.54 | 0.11 | 0.42 | T | 0.00 | 0.18 | 13.70 | |
| REEDLEY WVFD | 14.70 | 0.02 | 0.00 | T | 1.14 | 4.41 | 2.29 | 0.18 | 1.96 | 4.28 | 0.10 | 0.32 | 0.00 | 0.00 | 0.10 | 14.78 | |
| RIVERDALE | 10.16 | 0.12 | 0.00 | 0.23 | 1.34 | 2.70 | 1.46 | 0.12 | 1.28 | 2.56 | 0.15 | 0.20 | 0.00 | 0.00 | 0.04 | 9.85 | |
| ROSEDALE | 7.43 | 0.00 | T | 0.10 | 0.98 | 1.31 | 1.05 | 0.02 | 0.47 | 3.13 | 0.24 | 0.13 | 0.00 | 0.00 | 0.14 | 7.47 | |
| SAN EMIGDIO RCH | 7.52 | 0.00 | T | 0.26 | 0.79 | 0.94 | 1.41 | T | 0.82 | 3.05 | 0.25 | T | 0.00 | 0.00 | 0.09 | 7.35 | |
| SANGER 1 NE | 16.27 | 0.01 | 0.00 | 0.12 | 1.15 | 4.63 | 2.90 | 0.18 | 2.54 | 4.26 | 0.18 | 0.30 | T | T | 16.14 | | |
| SANGER R S | 12.30 | 0.00 | 0.00 | 0.13 | 1.16 | 4.07 | 2.71 | 0.16 | 2.25 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.17 | |
| SAN JOAQUIN | 7.08 | 0.15 | 0.00 | 0.40 | 0.64 | 2.08 | 1.20 | 0.11 | 0.75 | 1.61 | 0.12 | 0.02 | 0.00 | 0.00 | 0.21 | 6.74 | |
| SAN JOAQUIN WVFD | 5.82E | 0.17 | 0.00 | 0.31 | 0.22 | 1.66 | 0.87 | 0.09 | 0.78E | 1.68E | 0.04 | 0.00 | 0.00 | 0.00 | 0.24 | 5.58E | |
| SANTIAGO RCH M&L | 5.85 | 0.00 | 0.00 | 0.15 | 0.00 | 0.42 | 0.75 | 0.07 | 0.69 | 3.06 | 0.12 | 0.16 | - | - | - | - | |
| SOUTH BELRIDGE | 4.79 | 0.00 | 0.00 | 0.02 | 0.52 | 1.29 | 0.48 | 0.05 | 0.41 | 1.87 | 0.04 | 0.11 | 0.00 | 0.00 | T | 4.77 | |
| SOUTH LAKE FARM HDQ | 8.14 | 0.00 | 0.00 | 0.00 | 0.90 | 2.20 | 0.80 | 0.04 | 0.96 | 2.74 | 0.05 | 0.45 | 0.00 | 0.00 | 0.23 | 8.37 | |
| STEVENSON DIST SEC 33 | 10.47 | 0.00 | 0.00 | 0.00 | 0.66 | 3.65 | 1.23 | 0.12 | 1.49 | 3.10 | 0.02 | 0.20 | 0.00 | 0.00 | 0.00 | 10.47 | |
| TEJON RANCHO | 12.63 | 0.00 | 0.00 | 0.00 | 0.98 | 2.30 | 1.39 | 0.35 | 1.66 | 5.41 | 0.54 | 0.00 | 0.00 | 0.09 | 0.70 | 13.42 | |
| TRANQUILLITY GLOTZ | 7.28 | 0.25 | 0.00 | 0.03 | 0.33 | 2.34 | 1.18 | 0.04 | 0.71 | 2.25 | 0.12 | 0.03 | 0.00 | 0.00 | 0.06 | 7.06 | |
| TULARE | 12.46 | 0.00 | 0.00 | 0.02 | 0.79 | 3.45 | 1.78 | 0.16 | 1.54 | 4.23 | 0.12 | 0.37 | 0.00 | 0.00 | 0.17 | 12.61 | |
| TULARE DIST SEC 27 | - | - | - | - | 0.72 | 1.87 | 0.92 | 0.04 | 0.98 | 1.98 | 0.04 | 0.14 | 0.00 | 0.00 | 0.21 | 6.90 | |
| TULEFIELD | 5.50 | 0.00 | T | 0.07 | 0.27 | 0.50 | 0.88 | T | 0.99 | 2.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.24 | 5.50 | |
| U S COTTON FIELD STN | 7.20 | 0.00 | 0.00 | 0.00 | 1.32 | 1.54 | 0.93 | 0.04 | 0.37 | 2.58 | 0.23 | 0.19 | 0.00 | 0.00 | 0.02 | 7.22 | |
| VESTAL | 12.20 | 0.03 | 0.00 | 0.05 | 1.57 | 3.45 | 1.21 | 0.18 | 0.89 | 4.25 | 0.29 | 0.28 | 0.00 | 0.00 | 0.13 | 12.25 | |
| VISALIA | 13.56 | 0.02 | 0.00 | 0.00 | 0.83 | 3.78 | 1.66 | 0.15 | 1.68 | 4.81 | 0.25 | 0.38 | T | 0.00 | 0.11 | 13.65 | |
| VISALIA | 13.54 | 0.01 | 0.00 | T | 1.02 | 4.18 | 1.77 | 0.22 | 1.65 | 4.14 | 0.12 | 0.43 | 0.01 | 0.00 | 0.19 | 13.73 | |
| WASCO | 6.76 | 0.00 | 0.00 | 0.00 | 0.61 | 1.70 | 0.79 | 0.07 | 0.61 | 2.42 | 0.23 | 0.33 | 0.03 | 0.00 | 0.05 | 6.84 | |
| WEST CAMP | 8.90 | 0.00 | 0.00 | 0.00 | 0.63 | 3.18 | 0.77 | 0.03 | 0.99 | 2.39 | 0.19 | 0.72 | 0.00E | 0.00E | 0.50 | 9.40E | |
| WESTHAVEN | 7.00 | 0.29 | 0.00 | 0.03 | 0.48 | 2.09 | 0.89 | 0.00 | 0.93 | 1.88 | 0.08 | 0.33 | 0.00 | 0.00 | 0.04 | 6.72 | |
| WHEELER RIDGE | 8.29E | 0.00 | 0.00 | 0.00 | 0.62 | 1.31 | 0.65E | 0.24 | 1.64 | 4.09 | 0.51 | 0.00 | 0.00 | 0.00 | 0.53 | 8.82E | |
| WILBUR DITCH | 7.26 | 0.00 | 0.00 | 0.00 | 0.85 | 2.06 | 0.74 | 0.04 | 0.92 | 2.25 | 0.05 | 0.35 | 0.00E | 0.00E | 0.25 | 7.51E | |

TABLE A-2 (Cont.)
PRECIPITATION DATA
SAN JOAQUIN VALLEY

| Station Name | Precipitation In Inches | | | | | | | | | | | | | | | Total Oct.1 To Sept.30 | |
|----------------------|-------------------------|------|-------|------|------|-------|-------|------|--------|-------|-------|------|---------------------------------|------|------|---------------------------------|-------|
| | 1966 | | | | | | 1967 | | | | | | Total Oct.1 To Sept.30 | | | | |
| | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | | July | Aug. | | Sept. |
| KINGS RIVER | | | | | | | | | | | | | | | | | |
| ACADEMY | 18.03 | 0.00 | 0.01 | 0.00 | 1.33 | 4.25 | 3.04 | 0.60 | 4.14 | 4.32 | 0.17 | 0.17 | 0.00 | 0.00 | 0.04 | 18.06 | |
| BALCH POWER HOUSE | 48.48 | T | 0.07 | T | 4.07 | 15.14 | 7.54 | 0.73 | 8.41 | 11.23 | 0.98 | 0.31 | T | 0.02 | 0.74 | 49.17 | |
| BLASINGAME | 31.10 | T | 0.04 | 0.00 | 2.74 | 6.81 | 4.98 | 1.24 | 5.82 | 9.13 | 0.34 | 0.00 | 0.00 | T | 0.41 | 31.47 | |
| BRETZ MILL | 57.20 | 0.00 | 0.01 | 0.00 | 5.02 | 19.78 | 5.40 | * | 15.60v | 14.05 | 1.65 | 0.56 | - | - | - | - | |
| GRANT GROVE | 68.19 | T | 0.23 | 0.00 | 5.72 | 23.33 | 8.55 | 0.88 | 12.97 | 14.91 | 1.38 | 0.22 | 0.00 | 0.41 | 1.92 | 70.29 | |
| HASLETT BASIN | - | 0.00 | 0.01 | 0.00 | 3.01 | 14.82 | - | - | 8.45 | 11.17 | 1.29 | 0.69 | - | - | - | - | |
| LOWER BIG CREEK | 0.00 | 0.00 | 0.01 | 0.00 | 0.94 | 18.00 | - | - | 8.46 | 10.25 | 0.85 | 0.71 | - | - | - | - | |
| PINE FLAT DAM | 28.09 | T | 0.02 | 0.00 | 2.01 | 8.12 | 3.80 | 0.61 | 4.33 | 8.70 | 0.40 | 0.10 | 0.04 | T | 0.28 | 28.39 | |
| PINEHURST R S | 46.28 | 0.00 | 0.00 | 0.00 | 3.71 | 15.41 | 6.15 | 0.88 | 7.98 | 10.86 | 1.24 | 0.05 | 0.02 | 0.08 | 1.56 | 47.94 | |
| SOAPROOT SADDLE | - | 0.00 | 0.01 | 0.00 | 4.40 | 18.30 | - | - | 18.00 | 10.00 | 5.98 | 0.75 | - | - | - | - | |
| SQUAW VALLEY FR | 36.62 | 0.00 | 0.00 | 0.00 | 2.43 | 13.36 | 5.98 | 0.68 | 5.88 | 7.43 | 0.65 | 0.21 | 0.00 | 0.00 | 0.93 | 37.55 | |
| TRIMMER R S | 39.50 | 0.00 | 0.10 | 0.00 | 3.00 | 11.43 | 4.71 | 2.56 | 5.85 | 11.11 | 0.65 | 0.09 | 0.00 | 0.00 | 0.45 | 38.85 | |
| WISHON LAKE | 74.76 | 0.00 | 0.16 | 0.09 | 8.29 | 20.19 | 12.26 | 1.14 | 16.88 | 13.51 | 1.22 | 0.97 | 0.45 | 0.37 | 2.14 | 77.51 | |
| KAWEAH RIVER | | | | | | | | | | | | | | | | | |
| ASH MOUNTAIN | 44.90 | 0.00 | 0.00 | T | 5.83 | 15.65 | 5.02 | 1.02 | 5.63 | 10.62 | 0.79 | 0.17 | 0.00 | 0.45 | 1.16 | 46.34 | |
| BADGER | 39.06 | 0.00 | 0.00 | 0.00 | 2.74 | 12.65 | 5.13 | 0.91 | 6.71 | 9.29 | 1.51 | 0.12 | 0.00 | 0.00 | 1.41 | 40.47 | |
| GIANT FOREST | 77.79 | T | 0.08 | 0.08 | 5.83 | 28.02 | 11.05 | 1.18 | 11.98 | 17.67 | 1.61 | 0.29 | 0.01 | 0.05 | 1.95 | 79.72 | |
| KAWEAH PH 3 | 44.62 | 0.00 | 0.15 | 0.00 | 5.18 | 15.18 | 5.89 | 1.08 | 5.57 | 10.53 | 0.89 | 0.15 | 0.00 | 0.16 | 1.18 | 45.81 | |
| LEMON COVE | 19.71 | T | T | 0.00 | 1.32 | 6.23 | 2.21 | 0.37 | 3.11 | 5.89 | 0.50 | 0.15 | 0.07 | T | 1.36 | 21.21 | |
| MIRAMONTE HONOR CAMP | 41.02 | 0.04 | 0.01 | 0.00 | 2.55 | 15.06 | 4.35 | 0.60 | 5.47 | 9.93 | 2.99 | 0.02 | T | T | 1.36 | 42.33 | |
| TERMINUS DAM | 21.88 | T | 0.00 | 0.00 | 1.54 | 6.79 | 2.42 | 0.39 | 2.95 | 7.01 | 0.28 | 0.50 | 0.04 | 0.00 | 1.54 | 23.46 | |
| THREE RIVER 6 SE | 34.21 | 0.00 | 0.00 | 0.00 | 3.14 | 12.83 | 3.18 | 1.06 | 4.39 | 8.36 | 0.79 | 0.21 | 0.00 | 0.00 | 1.08 | 32.74 | |
| THREE RIVERS PH 2 | 34.87 | 0.00 | 0.06 | 0.00 | 3.72 | 11.19 | 4.09 | 0.76 | 4.16 | 9.10 | 1.07 | 0.40 | 0.00 | 0.03 | 1.12 | 35.64 | |
| THREE RIVERS PH 1 | 33.88 | 0.00 | 0.00 | 0.00 | 3.26 | 12.27 | 4.00 | 0.83 | 4.39 | 9.35 | 1.30 | 0.00 | 0.00 | 0.00 | 1.10 | 36.50 | |
| WHITTAKER FOREST | 61.11 | T | 0.01 | 0.00 | 5.83 | 24.51 | 8.14 | 0.96 | 12.13 | * | 9.48v | 0.05 | 0.02 | 0.34 | 1.44 | 62.90 | |
| TULE RIVER | | | | | | | | | | | | | | | | | |
| CAMP NELSON | - | - | - | - | 4.87 | 23.48 | 8.11 | 1.77 | 6.92 | - | - | - | - | - | - | - | - |
| MILO 5 NE | 53.16 | 0.05 | 0.02 | 0.00 | 4.91 | 23.55 | 6.03 | 0.99 | 5.58 | 10.18 | 1.60 | 0.25 | 0.00 | 0.03 | 1.68 | 54.80 | |
| SPRINGVILLE 7 ENE | 49.60 | 0.04 | 0.15 | 0.00 | 4.77 | 19.75 | 5.03 | 1.70 | 5.51 | 11.71 | 0.87 | 0.07 | 0.00 | 0.03 | 1.35 | 50.79 | |
| SPRINGVILLE R S | - | 0.04 | 0.16 | 0.00 | 2.38 | 10.93 | 3.04 | 0.65 | 2.99 | - | 0.41 | 0.15 | 0.00 | 0.00 | 1.30 | - | |
| SPRINGVILLE TULE HDW | - | 0.05 | 0.03 | 0.00 | 6.78 | - | 7.13 | 1.18 | - | - | - | 0.17 | 0.00 | 0.25 | 1.72 | - | |
| SUCCESS DAM | 18.69 | T | 0.05 | 0.00 | 1.47 | 6.53 | 2.07 | 0.28 | 1.78 | 5.59 | 0.44 | 0.48 | 0.00 | 0.00 | 0.75 | 19.39 | |
| TULE RIVER INTAKE | 51.94 | 0.12 | 0.10 | 0.00 | 4.86 | 20.93 | 5.15 | 1.66 | 6.21 | 11.85 | 0.97 | 0.09 | 0.00 | 0.00 | 1.75 | 53.47 | |
| TULE RIVER PH | 32.59 | 0.04 | 0.13 | 0.00 | 2.85 | 12.15 | 3.65 | 0.68 | 3.78 | 8.46 | 0.57 | 0.18 | 0.01 | T | 1.77 | 34.10 | |
| UHL R S | - | 0.00 | 0.00 | 0.00 | 4.04 | 15.46 | 4.42 | 0.72 | 3.49 | 9.68 | - | - | 0.00 | 0.00 | 2.91 | - | |

TABLE A-2 (Cont.)
PRECIPITATION DATA
SAN JOAQUIN VALLEY

| Station Name | Precipitation In Inches | | | | | | | | | | | | | | | Total Oct.1 To Sept.30 | |
|-------------------------|---------------------------------|-------|------|-------|-------|--------|--------|------|-------|------|-------|-------|------|-------|-------|---------------------------------|--------|
| | Total July1 To June 30 | 1966 | | | | | | 1967 | | | | | | | | | |
| | | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | | Sept. |
| GREEN HORN MOUNTAIN | 23.86E | 0.00 | T | 0.00 | 0.00 | 2.07 | 8.71 | 2.91 | 0.48 | 2.18 | 6.47 | 0.91E | 0.13 | 0.00 | 0.00 | 1.30 | 25.16E |
| GLENVILLE | - | 0.00 | 0.00 | 0.00 | - | - | - | - | - | - | 6.66 | - | - | 0.00 | 0.00 | 1.37 | 42.82 |
| GLENVILLE FULTON R S | 40.84 | 0.00 | 0.00 | 0.00 | 3.92 | 15.62 | 5.62 | 4.40 | 0.75 | 4.17 | 10.62 | 1.36 | T | 0.00 | 0.12 | 1.86 | 17.75 |
| POSEY 3 E | 17.22 | 0.00 | 0.00 | 0.06 | 1.57 | 5.23 | 5.23 | 1.79 | 0.46 | 1.76 | 5.67 | 0.57 | 0.11 | 0.00 | 0.00 | 0.59 | |
| WOODY | | | | | | | | | | | | | | | | | |
| KERN RIVER | | | | | | | | | | | | | | | | | |
| BOREL PH | 20.12 | 0.00 | 0.41 | 0.03 | 1.38 | 10.07 | 10.07 | 2.13 | 0.00 | 1.44 | 4.25 | 0.33 | 0.08 | RE | 0.23 | 1.63 | - |
| ISABELLA DAM | 19.73 | 0.00 | 0.80 | 0.00 | 1.09 | 11.53 | 11.53 | 2.49 | 0.02 | 0.63 | 2.75 | 0.18 | 0.24 | 0.30 | 0.37 | 2.01 | 55.75E |
| JOHNSONDALE | 53.26E | 0.00E | 0.01 | T | 0.00 | 4.58 | 30.61 | 5.86 | 0.60E | 3.88 | 6.46 | 0.99 | 0.27 | 0.12 | 0.00 | 0.13 | 10.95 |
| KERN CANYON | 10.90 | 0.00 | 0.00 | 0.08 | 1.28 | 2.71 | 2.71 | 1.14 | 0.07 | 0.80 | 3.93 | 0.89E | 0.00 | 0.00 | 0.00 | 0.00 | |
| KERN RIVER INTAKE 3 | - | 0.00 | 0.58 | 0.00 | RE | | | | | | | | | | | | |
| KERN R 3 INTAKE | 41.37E | 0.00 | 0.60 | 0.00 | 3.14 | 25.10E | 25.10E | 4.76 | 0.18 | 2.62 | 4.18 | 0.67 | 0.12 | 0.00 | 0.16 | 2.10 | 43.03E |
| KERN RIVER PH NO 1 | 14.24 | 0.00 | 0.00 | 0.00 | 1.28 | 3.54 | 3.54 | 1.32 | 0.29 | 0.91 | 6.40 | 0.49 | 0.01 | 0.02 | 0.00 | 0.25 | 14.51 |
| KERN RIVER PH NO 3 | 24.31 | 0.00 | 0.13 | 0.00 | 1.43 | 14.50 | 14.50 | 3.20 | 0.29 | 1.42 | 3.04 | 0.28 | 0.02 | 0.80 | 0.13 | 1.21 | 26.32 |
| ONYX | 12.12 | 0.00 | 0.19 | 0.00 | 0.64 | 6.18 | 6.18 | 2.37 | T | 0.71 | 1.80 | 0.20 | 0.03 | - | - | - | - |
| WELDON 1 WSW | 12.11 | 0.00 | 0.24 | 0.00 | 0.63 | 6.06 | 6.06 | 1.91 | 0.00 | 0.69 | 1.75 | 0.83 | 0.00 | 0.10 | 0.00 | 0.91 | 12.88 |
| WOFFORD HEIGHTS | 18.97 | T | 0.24 | T | 1.16 | 11.03 | 11.03 | 3.08 | 0.03 | 0.82 | 2.41 | 0.20 | T | 0.12 | 0.13 | 1.20 | 20.18 |
| TEHACHAPI MOUNTAINS | | | | | | | | | | | | | | | | | |
| CHUCHUPATE R S | - | 0.00 | 1.27 | 0.41 | 0.03 | 3.18 | 4.17 | 1.47 | 0.11 | 1.13 | - | 0.15 | 0.00 | 0.18 | 0.03 | 0.73 | - |
| CUMMINGS VALLEY 2 | 7.32 | 0.00 | 0.00 | 0.08 | 0.02 | 1.19 | 1.89 | 1.81 | 0.12 | 1.11 | 1.03 | 0.07 | 0.00 | 0.00 | 0.00 | 1.01 | 8.25 |
| KEENE | 16.52 | 0.00 | 0.61 | 0.08 | 0.00 | 0.51 | 4.67 | 2.08 | 0.52 | 1.88 | 4.76 | 1.33 | 0.08 | 0.01 | T | 0.20 | 16.04 |
| LEBEC | 13.31 | 0.00 | T | 0.21 | T | 4.49 | 2.23 | 1.35 | 0.24 | 0.99 | 3.66 | 0.14 | 0.00 | 0.05 | 0.00 | 0.77 | 13.92 |
| LORAIN | 18.75 | 0.00 | 0.62 | 0.00 | 0.09 | 0.79 | 7.76 | 1.97 | 0.25 | 2.26 | 4.30 | 0.71 | 0.00 | 1.01 | 0.00 | 0.39 | 19.53 |
| MIL POTRERO | 15.50 | T | 0.00 | 0.50 | 0.00 | 2.93 | 4.18 | 1.51 | 0.18 | 1.06 | 5.05 | 0.09 | T | 0.12 | 2.32 | 0.10 | 17.54 |
| PATTINAY | 8.23E | 0.01 | T | 0.30 | 0.00 | 1.40 | 1.43 | 1.32 | 0.18 | 0.49 | 2.90 | 0.16 | 0.04 | 0.00 | 0.01 | 0.03 | 7.96 |
| TEHACHAPI | 13.35 | 0.00 | 0.60 | 0.32 | T | 2.42 | 3.87 | 1.33 | 0.10 | 0.97 | 3.55 | 0.19 | 0.00 | T | 0.06 | 2.13 | 14.62 |
| TEHACHAPI AIRPORT | - | 0.00 | 0.61 | 0.20 | 0.00 | 1.92 | 3.12 | - | 0.14 | - | - | 0.37 | 0.00 | 0.00 | 0.00 | - | - |
| TULARE L BASIN WESTSIDE | | | | | | | | | | | | | | | | | |
| ANNETTE | | 0.00 | 0.00 | 0.25 | 0.00 | 1.38 | 4.77 | 1.54 | 0.33 | 3.41 | 3.30 | 0.12 | 0.04 | 0.00 | 0.00 | 0.71 | 18.31 |
| AVENAL 8 SW | 17.88 | 0.28 | 0.00 | T | 0.00 | 1.64 | 6.15 | 2.61 | 0.18 | 2.40 | 2.89 | 0.00 | 0.11 | 0.00 | 0.00 | 1.01 | 14.92 |
| AVENAL 6 SSW | 14.11 | 0.20 | 0.00 | 0.00 | 0.00 | 1.42 | 5.14 | 1.77 | 0.18 | 2.15 | 2.40 | 0.00 | 0.18 | 0.00E | 0.00E | 0.68 | 14.90E |
| CHOLAME TWISSELMAN | 15.12E | 0.10 | 0.00 | 0.80 | 0.00E | 1.50 | 3.76 | 1.54 | 0.40 | 2.15 | 4.50 | 0.19 | 0.00 | 0.00 | 0.00 | 0.36 | 23.33 |
| COALINGA ROBERTS RCH | 23.43 | 0.46 | 0.00 | 0.00 | 0.00 | 2.25 | 6.04 | 4.45 | 0.49 | 4.82 | 4.69 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | |
| COALINGA 14 WNW | 25.21 | 0.55 | 0.00 | 0.19 | 0.00 | 2.45 | 7.80 | 4.48 | 0.49 | 5.20 | 3.70 | 0.35 | 0.00 | 0.00 | 0.00 | 0.22 | 24.69 |
| DOMENGINE RCH | 10.86 | 0.26 | 0.00 | 0.03 | 0.00 | 0.98 | 3.38 | 1.61 | 0.10 | 1.91 | 2.29 | 0.30 | 0.00 | 0.00 | 0.00 | 0.24 | 10.81 |
| DOMENGINE SPRING | 15.41 | 0.25 | 0.00 | 0.00 | 0.00 | 1.88 | 4.00 | 3.09 | 0.20 | 2.48 | 3.17 | 0.34 | 0.00 | - | - | - | 4.73 |
| FELLOWS | 5.27 | 0.00 | 0.00 | 0.54 | 0.00 | 0.81 | 1.12 | 0.75 | 0.03 | 0.17 | 1.70 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 4.73 |
| MARICOPA F S | 3.55 | 0.00 | 0.00 | 0.40 | 0.00 | 0.42 | 0.96 | 0.18 | 0.02 | 0.39 | 1.18 | 0.01 | 0.00 | 0.00 | 0.00 | 0.20 | 3.35 |

TABLE A-2 (Cont.)

PRECIPITATION DATA

SAN JOAQUIN VALLEY

| Station Name | Precipitation In Inches | | | | | | | | | | | | | | | | |
|---------------------|----------------------------------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|-----------------------------------|-------|
| | Total July 1 To June 30 | 1966 | | | | | | | 1967 | | | | | | | Total Oct. 1 To Sept. 30 | |
| | | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | | Sept. |
| MARTINEZ SPRING | 16.13 | T | 0.00 | 0.00 | 0.00 | 1.76 | 4.45 | 2.90 | 0.15 | 2.57 | 4.00 | 0.30 | 0.00 | - | - | - | - |
| MC KITTRICK F S | 4.85 | 0.00 | 0.00 | 0.05 | 0.00 | 0.70 | 1.32 | 0.73 | 0.05 | 0.34 | 1.49 | 0.00 | 0.17 | 0.00 | 0.00 | 0.10 | 4.90 |
| TAFT | 3.97 | 0.00 | 0.00 | 0.28 | 0.00 | 0.54 | 0.63 | 0.63 | 0.04 | 0.35 | 1.37 | 0.05 | 0.08 | 0.00 | 0.00 | 0.18 | 3.87 |
| TAFT KTRR | 4.77 | T | 0.00 | 0.37 | 0.00 | 0.69 | 1.01 | 0.62 | 0.06 | 0.36 | 1.51 | 0.07 | 0.08 | 0.00 | T | 0.34 | 4.74 |
| THIRTY-TWO CORRAL | 12.29 | T | 0.00 | 0.00 | 0.00 | 1.26 | 3.65 | 1.72 | 0.15 | 1.60 | 3.60 | 0.31 | 0.00 | - | - | - | - |
| UPPER SALINAS RIVER | - | 0.53 | 0.00 | - | 0.00 | 1.90 | 4.46 | - | 0.27 | 2.68 | 3.37 | 0.26 | 0.02 | 0.00 | 0.00 | 1.05 | - |
| PARKFIELD 7 NNW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

TABLE A-3

STORAGE GAGE PRECIPITATION DATA

SAN JOAQUIN VALLEY

| Station | Agency | 1966-67 Season | | |
|-------------------------|---------------------------|--------------------|----------|----------------------------|
| | | Measurement Period | | Precipitation In Inches |
| SAN JOAQUIN RIVER BASIN | | | | |
| STANISLAUS RIVER | | | | |
| HIGHLAND LAKES | DEPT OF WATER RESOURCES | 7- 8-66 | 7-19-67 | 39.9 |
| LAKE ALPINE | DEPT OF WATER RESOURCES | 7- 8-66 | 7-19-67 | 81.6 |
| TUOLUMNE RIVER | | | | |
| BEEHIVE MEADOW | HETCH HETCHY WATER SUPPLY | 8- 3-66 | 9- 6-67 | 69.77 |
| GRACE MEADOW | HETCH HETCHY WATER SUPPLY | 8-16-66 | 9- 5-67 | 49.30 |
| HUCKLEBERRY LAKE | HETCH HETCHY WATER SUPPLY | 8-13-66 | 8-31-67 | 74.05 |
| LOWER KIBBEY RIDGE | HETCH HETCHY WATER SUPPLY | 8- 9-66 | 8-25-67 | 79.54 |
| PARADISE MEADOW | HETCH HETCHY WATER SUPPLY | 8-20-66 | 7- 4-67 | 75.8 |
| PARADISE MEADOW | HETCH HETCHY WATER SUPPLY | 7- 4-67 | 9- 6-67 | - |
| SACHS SPRINGS | HETCH HETCHY WATER SUPPLY | 8-10-66 | 8-25-67 | 75.33 |
| TUOLUMNE MEADOW | DEPT OF WATER RESOURCES | 7- 7-66 | 7-18-67 | 49.5 |
| MERCED RIVER | | | | |
| BADGER PASS | U S WEATHER BUREAU | | | |
| OSTRANDER LAKE | NATIONAL PARK SERVICE | 7-13-66 | 10- 8-67 | 80.85 |
| SNOW FLAT | DEPT OF WATER RESOURCES | 7- 7-66 | 7-18-67 | 74.6 |
| SAN JOAQUIN RIVER | | | | |
| CHIQUITA CREEK | DEPT OF WATER RESOURCES | 7- 6-66 | 7-17-67 | 69.6 |
| CLOVER MEADOWS | DEPT OF WATER RESOURCES | 7- 6-66 | 7-17-67 | 73.6 |
| KAISER MEADOWS | SO CALIF EDISON COMPANY | 9-12-66 | 8- 3-67 | 66.6 |
| MAMMOTH POOL | SO CALIF EDISON COMPANY | 9- 9-66 | 8- 8-67 | 57.4 |
| ROSE MARIE MEADOW | SO CALIF EDISON COMPANY | 9-14-66 | 10-12-67 | 64.8 |
| VERMILION VALLEY | SO CALIF EDISON COMPANY | 9- 8-66 | 8- 3-67 | 34.4 |
| TULARE LAKE BASIN | | | | |
| KINGS RIVER | | | | |
| BARTON FLAT | U S CORPS OF ENGINEERS | 8- 3-66 | 9-21-67 | 43.30 |
| DUSY BENCH | U S CORPS OF ENGINEERS | 9- 8-66 | 9-12-67 | 30.85 |
| MITCHELL MEADOW | U S CORPS OF ENGINEERS | 7-17-66 | 9-20-67 | 69.25 |
| MORAIN CREEK | U S CORPS OF ENGINEERS | 7-18-66 | 9-20-67 | 46.64 |
| RATTLESNAKE CREEK | U S CORPS OF ENGINEERS | 7-14-66 | 9-19-67 | 68.11 |
| STATE LAKES | U S CORPS OF ENGINEERS | 10- 6-66 | 9-20-67 | 49.31 |
| SUMMIT MEADOW | U S CORPS OF ENGINEERS | 7-12-66 | 7-26-67 | 80.36 |
| VIDETTE MEADOW | U S CORPS OF ENGINEERS | 9- 6-66 | 9-20-67 | 48.81 |
| WOODCHUCK MEADOW | U S CORPS OF ENGINEERS | 7-13-65 | 7-27-67 | 70.61 |
| KAWEAH RIVER | | | | |
| ATWELL | U S CORPS OF ENGINEERS | 8- 8-66 | 10-20-67 | 66.94 |
| BEARTRAP MEADOW | U S CORPS OF ENGINEERS | 8- 3-66 | 9-21-67 | 83.31 |
| HOCKETT MEADOW | U S CORPS OF ENGINEERS | 8- 9-66 | 10-17-67 | 71.52 |
| MINERAL KING | U S CORPS OF ENGINEERS | 8- 8-66 | 10-20-67 | 61.67 |
| PEAR LAKE | U S CORPS OF ENGINEERS | 8- 4-66 | 7-25-67 | 66.47 |
| TULE RIVER | | | | |
| EAGLE CREEK | U S CORPS OF ENGINEERS | 6-23-66 | 10-19-67 | 62.52 |
| HOSSACK (RADIO) | U S CORPS OF ENGINEERS | 6-22-66 | 7-13-67 | 72.03 |
| MOUNTAIN HOME 2 | U S CORPS OF ENGINEERS | 6-23-66 | 7-13-67 | 63.78 |
| ROGERS CAMP | U S CORPS OF ENGINEERS | 6-22-66 | 7-12-67 | 63.79 |

- Record missing for this period.

TABLE A-3 (Cont.)

STORAGE GAGE PRECIPITATION DATA

SAN JOAQUIN VALLEY

| Station | Agency | 1966-67 Season | | |
|----------------------------|-------------------------|--------------------|----------|----------------------------|
| | | Meosurement Period | | Precipitation In Inches |
| KERN RIVER | | | | |
| CHAGOOPA | U S CORPS OF ENGINEERS | 8- 6-66 | 10-17-67 | 44.64 |
| CRABTREE MEADOW | U S CORPS OF ENGINEERS | 9-22-66 | 9-14-67 | 36.81 |
| DOUBLEBUNK MEADOW | U S CORPS OF ENGINEERS | 9-22-66 | 7-11-66 | 65.10 |
| MONACHE MEADOW | U S CORPS OF ENGINEERS | 9- 1-66 | 9-14-67 | 30.79 |
| PORTUGUESE MEADOW | U S CORPS OF ENGINEERS | 7-21-66 | 7-10-67 | 65.66 |
| QUAKING ASPEN | U S CORPS OF ENGINEERS | 6-22-66 | 7-11-67 | 78.07 |
| ROUND MEADOW | U S CORPS OF ENGINEERS | 6-21-66 | 7-11-67 | 54.16 |
| TUNNEL R S | DEPT OF WATER RESOURCES | 9- 1-66 | 9-14-67 | 35.19 |
| WET MEADOW | U S CORPS OF ENGINEERS | 8-10-66 | 10-18-67 | 65.19 |
| TEHACHAPI MTN | | | | |
| BALLINGER | DEPT OF WATER RESOURCES | 7- 1-66 | 10-25-67 | 9.25 |
| BURGESS CORRALS | DEPT OF WATER RESOURCES | 7- 1-66 | 10-25-67 | 7.40 |
| SMITH FLAT | DEPT OF WATER RESOURCES | 7- 1-66 | 10-25-67 | 8.74 |
| TULARE LAKE BASIN WESTSIDE | | | | |
| OILFIELD JOAQUIN RDG | DEPT OF WATER RESOURCES | 10-11-66 | 7-25-67 | 9.89 |

TABLE A-4

TEMPERATURE DATA

The definition of terms and abbreviations used in connection with this table are as follows:

| | |
|--------|---|
| Max | The highest temperature of record for the month. |
| Min | The lowest temperature of record for the month. |
| Av Max | The arithmetical average of daily maximum temperatures for the month. |
| Av Min | The arithmetical average of daily minimum temperatures for the month. |
| Avg | The arithmetical average of daily maximum and minimum temperatures for the month. |
| M | One or more days of record missing; if average value is entered, less than ten days of record is missing. |
| RB | Record begins. |
| RE | Record ends. |

TABLE A-4

TEMPERATURE DATA SAN JOAQUIN VALLEY

| Station Name | TEMPERATURE IN DEGREES FAHRENHEIT | | | | | | | | | | | | | | |
|---|-----------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|
| | 1966 | | | | | | 1967 | | | | | | | | |
| | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
| SAN JOAQUIN R BASIN SAN JOAQUIN VAL FL | MAX | 103 | 100 | 91 | 81 | 62 | 61 | 69 | 73 | 64 | 100 | 104 | 106 | 103 | 94 |
| | MIN | 54 | 48 | 40 | 31 | 26 | 28 | 33 | 32 | 33 | 43 | 50 | 54 | 58 | 56 |
| | AV MAX | 92.3 | 95.0 | 86.9 | 78.7 | 64.7 | 53.5 | 56.4 | 62.8 | 59.0 | 81.3 | 86.4 | 96.9 | 96.3 | 87.4 |
| | AV MIN | 61.0 | 63.0 | 49.9 | 45.3 | 40.1 | 38.2 | 40.2 | 42.1 | 42.1 | 51.9 | 57.3 | 63.8 | 64.9 | 60.1 |
| | AVG | 76.6 | 79.0 | 72.6 | 64.3 | 55.0 | 45.8 | 48.3 | 52.4 | 50.5 | 66.6 | 71.8 | 80.4 | 80.6 | 73.7 |
| DENAIR CHANCE | MAX | 104 | M | M | 83 | 61 | 60 | 67 | 70 | 68 | 97 | 102 | 104 | 102 | 94 |
| | MIN | 50 | M | M | 28 | 25 | 24 | 23 | 27 | 29 | 39 | 45 | 52 | 53 | 54 |
| | AV MAX | 91.8 | M | M | 65.8 | 49.5 | 52.7 | 55.5 | 62.2 | 59.4 | 79.4 | 84.6 | 97.0 | 96.6 | 90.7 |
| | AV MIN | 56.1 | M | M | 40.5 | 37.3 | 33.2 | 34.9 | 36.5 | 39.3 | 47.1 | 54.0 | 59.9 | 60.6 | 59.3 |
| | AVG | 73.9 | M | M | 53.1 | 43.4 | 42.9 | 45.2 | 49.3 | 49.3 | 63.2 | 69.3 | 78.4 | 78.6 | 75.0 |
| LIVINGSTON 5 W | MAX | 104 | 105 | 91 | 85 | 64 | 63 | 67 | 72 | 67 | 101 | 104 | 106 | 105 | 101 |
| | MIN | 48 | 43 | 34 | 29 | 26 | 27 | 28 | 31 | 32 | 37 | 45 | 50 | 52 | 53 |
| | AV MAX | 92.1 | 96.9 | 88.5 | 80.5 | 67.0 | 53.6 | 56.9 | 65.2 | 60.0 | 83.5 | 86.7 | 98.7 | 99.0 | 91.8 |
| | AV MIN | 54.5 | 55.2 | 51.0 | 42.7 | 40.6 | 33.9 | 36.9 | 40.3 | 41.5 | 49.1 | 53.8 | 60.2 | 60.2 | 57.0 |
| | AVG | 73.3 | 76.0 | 69.7 | 61.6 | 53.8 | 43.7 | 46.9 | 52.8 | 50.7 | 66.3 | 70.2 | 79.4 | 79.6 | 74.4 |
| LOS BANOS FIELD STA | MAX | 105 | 105 | 99 | 81 | 61 | 62 | 66 | 75 | 67 | 99 | 103 | 105 | 105 | M |
| | MIN | 54 | 51 | 50 | 40 | M | 26 | 33 | 32 | 31 | 37 | 47 | 54 | 58 | M |
| | AV MAX | M | 96.8M | 86.3M | 79.7M | 67.8M | 54.5M | 56.6M | 65.4M | 60.9M | 81.2M | 85.1M | M | 99.0M | M |
| | AV MIN | M | 62.4M | 56.9M | 48.9M | 45.3M | 33.9M | 38.2M | 41.6M | 39.8M | 50.9M | 56.2M | M | 64.5M | M |
| | AVG | M | 79.6M | 71.6M | 64.3M | 56.5M | 44.2M | 47.4M | 53.5M | 50.3M | 66.0M | 70.6M | M | 81.7M | M |
| MERCED 5 SE | MAX | 98 | 100 | 96 | 90 | 85 | 62 | 72 | 70 | 64 | 96 | 106 | 108 | 102 | 101 |
| | MIN | 47 | 53 | 41 | 32 | 29 | 24 | 26 | 28 | 30 | 35 | 45 | 51 | 54 | 52 |
| | AV MAX | 87.8 | 92.8M | 83.8M | 76.3 | 64.0 | 47.6 | 53.5 | 61.9 | 58.7 | 78.9 | 86.4 | 99.2 | 97.0 | 90.4 |
| | AV MIN | 53.5 | 57.2M | 51.4M | 43.3 | 40.7 | 38.0 | 35.1 | 47.1 | 38.7 | 45.3 | 52.4 | 60.4 | 61.7 | 57.1 |
| | AVG | 70.6 | 75.0M | 67.6M | 59.8 | 52.4 | 42.8 | 44.3 | 51.5 | 50.0 | 48.7 | 62.1 | 64.4 | 79.8 | 79.9 |
| MODESTO KTRB | MAX | 103 | 104 | 98 | 89 | 82 | 64 | 67 | 73 | 67 | 97 | 101 | 103 | 103 | 98 |
| | MIN | 52 | 50 | 46 | 36 | 29 | 26 | 30 | 30 | 32 | 40 | 46 | 54 | 57 | 53 |
| | AV MAX | 89.6 | 94.9 | 86.6 | 79.0 | 66.5 | 52.3 | 54.9 | 63.5 | 59.6 | 80.2 | 83.7 | 96.3 | 96.0 | 89.6 |
| | AV MIN | 56.5 | 59.0 | 54.4 | 47.5 | 43.8 | 40.1 | 37.0 | 40.5 | 40.0 | 49.8 | 53.9 | 60.9 | 62.3 | 59.0 |
| | AVG | 73.0 | 76.9 | 70.5 | 63.2 | 55.1 | 46.2 | 45.9 | 48.1 | 49.8 | 65.0 | 68.8 | 78.6 | 79.1 | 74.3 |
| SNELLING | MAX | | RB | 98 | 90 | 89 | 62 | 72 | 78 | 64 | 98 | 103 | 108 | 105 | 96 |
| | MIN | | RB | 46 | 35 | 30 | 25 | 28 | 30 | 33 | 37 | 45 | 56 | 53 | 51 |
| | AV MAX | | RB | 82.8 | 79.0 | 65.4 | 52.7 | 56.8 | 61.3 | 58.2 | 78.6 | 85.6 | 99.0 | 99.0 | 89.6 |
| | AV MIN | | RB | 52.4 | 44.1 | 42.7 | 38.8 | 35.7 | 39.0 | 39.3 | 48.0 | 54.1 | 61.3 | 60.8 | 57.6 |
| | AVG | | RB | 67.6 | 61.5 | 54.0 | 44.5 | 46.9 | 50.1 | 48.7 | 63.3 | 69.8 | 80.1 | 79.9 | 73.6 |

TABLE A-4 (Cont.)
TEMPERATURE DATA
SAN JOAQUIN VALLEY

| Station Name | TEMPERATURE IN DEGREES FAHRENHEIT | | | | | | | | | | | | | | |
|----------------------|-----------------------------------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|-------|
| | 1966 | | | | | | 1967 | | | | | | | | |
| | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
| WESTLEY | MAX | 103 | 105 | 99 | 92 | 94 | 60 | 65 | 69 | 63 | 95 | 103 | 106 | 107 | 98 |
| | MIN | 49 | 50 | 46 | 40 | 32 | 29 | 28 | 29 | 30 | 32 | 48 | 53 | 55 | 52 |
| | AV MAX | 91.0 | 89.4 | 88.4M | 80.8M | 67.2 | 52.1 | 55.0 | 60.8 | 55.8 | 77.1 | 85.2 | 99.2 | 98.3 | 90.8 |
| | AV MIN | 54.5 | 54.8 | 55.6M | 49.2M | 44.5 | 42.0 | 38.2 | 39.2 | 37.0 | 45.9 | 55.6 | 61.3 | 61.5 | 58.8 |
| | AVG | 72.7 | 72.1 | 72.0M | 65.0M | 55.8 | 47.0 | 46.6 | 50.0 | 46.4 | 61.5 | 70.4 | 80.2 | 79.9 | 74.8 |
| STANISLAUS RIVER | MAX | | | | | | | | | | | | | | |
| | MIN | | | | | | | | | | | | | | |
| | AV MAX | | | | | | | | | | | | | | |
| | AV MIN | | | | | | | | | | | | | | |
| | AVG | | | | | | | | | | | | | | |
| ANGELS CAMP | MAX | | | | | | | | | | | | | | |
| | MIN | | | | | | | | | | | | | | |
| | AV MAX | | | | | | | | | | | | | | |
| | AV MIN | | | | | | | | | | | | | | |
| | AVG | | | | | | | | | | | | | | |
| HUNTERS DAM | MAX | 96 | 97 | 93 | 86 | 84 | 66 | 70 | 68 | 56 | 90 | 95 | 98 | 98 | 91 |
| | MIN | 36 | 59 | 33 | 28 | 25 | 19 | 18 | 22 | 22 | 26 | 34 | 45 | 46 | 45 |
| | AV MAX | 85.2 | 88.2 | 82.8 | 76.7 | 60.7 | 54.1 | 54.1 | 52.3 | 47.2 | 70.6 | 75.9 | 91.3 | 89.3 | 83.9 |
| | AV MIN | 47.1 | 50.9 | 44.9 | 37.4 | 35.5 | 29.2 | 28.8 | 31.2 | 29.1 | 38.5 | 45.7 | 64.2 | 52.1 | 49.5 |
| | AVG | 66.1 | 69.5 | 63.8 | 57.0 | 48.1 | 41.6 | 41.4 | 41.7 | 38.1 | 54.5 | 60.8 | 77.7 | 70.7 | 66.7 |
| PINECREST STRAWBERRY | MAX | 88 | 90 | 86 | 82 | 80 | 60 | 64 | 64 | 50 | 84 | 90 | 90 | 90 | 82 |
| | MIN | 36 | 40 | 30 | 28 | 20 | 10 | 14 | 16 | 16 | 22 | 30 | 46 | 46 | 40 |
| | AV MAX | 79.4 | 82.4 | 76.6 | 72.2 | 55.1 | 48.2 | 50.1 | 48.3 | 40.4 | 66.4 | 68.8M | 83.5 | 84.5 | 76.0M |
| | AV MIN | 46.5 | 48.4 | 43.7 | 37.8 | 32.3 | 25.4 | 27.5 | 27.4 | 23.3 | 35.1 | 40.6M | 52.4 | 52.3 | 46.3M |
| | AVG | 63.0 | 65.4 | 60.1 | 55.0 | 45.4 | 36.8 | 38.8 | 37.8 | 31.8 | 50.7 | 54.7M | 67.9 | 68.4 | 61.2M |
| STANISLAUS P H | MAX | 104 | 107 | 102 | 94 | 88 | 67 | 70 | 76 | 64 | 94 | 104 | 104 | 107 | 102 |
| | MIN | 51 | 49 | 46 | 37 | 32 | 24 | 26 | 26 | 30 | 34 | 42 | 56 | 59 | 52 |
| | AV MAX | 93.4 | 99.1 | 89.2 | 82.8M | 67.8 | 57.2 | 57.0 | 65.5 | 57.2 | 79.3 | 86.6 | 99.5 | 101.6 | 92.5 |
| | AV MIN | 59.3 | 62.8 | 55.6 | 47.1M | 43.9 | 36.3 | 35.8 | 46.2 | 36.3 | 47.4 | 52.9 | 62.2 | 66.6 | 59.3 |
| | AVG | 76.3 | 80.9 | 72.4 | 64.9M | 55.9 | 46.7 | 46.4 | 55.8 | 46.7 | 63.3 | 69.7 | 80.8 | 84.1 | 75.9 |
| TUOLUMNE RIVER | MAX | | | | | | | | | | | | | | |
| | MIN | | | | | | | | | | | | | | |
| | AV MAX | | | | | | | | | | | | | | |
| | AV MIN | | | | | | | | | | | | | | |
| | AVG | | | | | | | | | | | | | | |
| DON PEDRO RESERVOIR | MAX | 105 | 106 | 101 | 92 | 88 | 66 | 64 | 69 | 63 | 98 | 105 | 107 | 107 | 98 |
| | MIN | 44 | 48 | 44 | 37 | 30 | 23 | 24 | 28 | 28 | 34 | 41 | 53 | 54 | 46 |
| | AV MAX | 93.5 | 98.0M | 88.7 | 81.4 | 66.5 | 52.0M | 54.7 | 61.1 | 57.6M | 80.7M | 83.1M | 100.4 | 101.4M | 92.1 |
| | AV MIN | 53.4 | 57.3M | 52.6 | 44.4 | 40.9 | 33.6M | 31.5 | 36.1 | 35.1 | 45.7 | 49.9 | 61.0 | 62.6M | 55.9 |
| | AVG | 73.4 | 77.6M | 70.6 | 62.9 | 53.7 | 42.8M | 43.1 | 48.6 | 46.4M | 63.2M | 66.5M | 80.7 | 82.0M | 74.0 |
| MERCED RIVER | MAX | | | | | | | | | | | | | | |
| | MIN | | | | | | | | | | | | | | |
| | AV MAX | | | | | | | | | | | | | | |
| | AV MIN | | | | | | | | | | | | | | |
| | AVG | | | | | | | | | | | | | | |
| COULTERVILLE FFS | MAX | 102 | 104 | 96 | 90 | 88 | M | M | 69 | M | M | M | M | 105 | 98 |
| | MIN | M | 47 | 42 | 39 | 32 | M | M | 31 | M | M | M | M | 59 | 51 |
| | AV MAX | 91.0M | 96.6 | 85.3M | 78.6M | 64.5M | M | M | M | M | M | M | M | 99.5M | 89.8M |
| | AV MIN | 58.4M | 64.7 | 56.0M | 51.0M | 45.7M | M | M | M | M | M | M | M | 70.0M | 60.8M |
| | AVG | 74.7M | 80.6 | 70.6M | 64.8M | 55.1M | M | M | M | M | M | M | M | 84.7M | 75.3M |

TABLE A-4 (Cont.)
TEMPERATURE DATA
SAN JOAQUIN VALLEY

| Station Name | TEMPERATURE IN DEGREES FAHRENHEIT | | | | | | | | | | | | | | |
|-----------------------|-----------------------------------|-------|-------|------|-------|-------|------|-------|------|------|------|------|------|-------|-------|
| | 1966 | | | | | | 1967 | | | | | | | | |
| | July | Aug | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar | Apr. | May | June | July | Aug. | Sept. |
| HORNITOS GILES RCH | MAX | 102 | 102 | 98 | 90 | 82 | 62 | 61 | 68 | 68 | 65 | 103 | 105 | 104 | 94 |
| | MIN | 50 | 52 | 46 | 40 | 34 | 28 | 28 | 34 | 32 | 32 | 44 | 58 | 60 | 57 |
| | AV MAX | 91.1 | 94.4 | 85.5 | 77.9 | 64.2 | 48.7 | 52.0 | 54.4 | 59.1 | 56.9 | 84.1 | 97.6 | 99.1 | 89.2 |
| | AV MIN | 59.8 | 65.4 | 57.5 | 51.6 | 47.1 | 38.1 | 37.3 | 39.0 | 41.8 | 39.5 | 55.8 | 67.7 | 68.5 | 62.9 |
| | AVG | 75.4 | 79.9 | 71.5 | 64.7 | 55.6 | 43.4 | 44.6 | 46.7 | 50.4 | 48.2 | 69.9 | 82.6 | 83.8 | 76.0 |
| FRESNO - CHOWCHILLA R | MAX | 96 | 98 | 94 | 88 | 86 | 80 | 74 | 76 | 76 | 58 | 98 | 98 | 100 | 92 |
| | MIN | 56 | 58 | 50 | 46 | 36 | 30 | 32 | 34 | 30 | 36 | 42 | 64 | 64 | 54 |
| | AV MAX | 87.4 | 91.5 | 83.6 | 78.2 | 66.2M | 62.5 | 62.2 | 65.8 | 57.5 | 49.8 | 79.3 | 93.7 | 95.9 | 86.0 |
| | AV MIN | 66.4 | 70.5 | 62.4 | 55.7M | 48.4M | 40.8 | 41.5 | 42.1 | 40.3 | 34.6 | 57.4 | 69.6 | 70.8 | 62.8 |
| | AVG | 76.9 | 81.0 | 73.0 | 66.9M | 57.3M | 51.7 | 51.8 | 54.0 | 48.9 | 42.2 | 68.3 | 81.6 | 83.3 | 74.4 |
| BIG CEDAR SPRINGS | MAX | 94 | 96 | M | M | M | M | 70 | RE | RE | | | | | |
| | MIN | 48 | 46 | M | M | M | M | 20 | RE | RE | | | | | |
| | AV MAX | 85.3M | 89.5 | M | M | M | M | 57.2M | RE | RE | | | | | |
| | AV MIN | 54.6M | 58.4 | M | M | M | M | 30.8M | RE | RE | | | | | |
| | AVG | 70.0M | 73.9 | M | M | M | M | 44.0M | RE | RE | | | | | |
| CATHEYS VALLEY SAWYER | MAX | 104 | 105 | 100 | 90 | 89 | 60 | 66 | 71 | 68 | 61 | 105 | 106 | 105 | 97 |
| | MIN | 48 | 49 | 44 | 38 | 31 | 27 | 27 | 29 | 29 | 28 | 41 | 52 | 55 | 52 |
| | AV MAX | 92.6 | 96.8 | 86.6 | 79.4 | 65.2 | 49.4 | 53.8 | 55.9 | 58.1 | 54.9 | 84.5 | 99.5 | 101.0 | 90.3 |
| | AV MIN | 58.2 | 61.5 | 54.6 | 47.7 | 44.6 | 36.1 | 34.5 | 35.0 | 38.5 | 37.1 | 52.3 | 64.9 | 64.6 | 58.5 |
| | AVG | 75.4 | 79.1 | 70.6 | 63.5 | 54.9 | 42.8 | 44.1 | 45.4 | 48.3 | 46.0 | 68.4 | 82.2 | 82.8 | 74.4 |
| CATHEYS VAL STONHOUSE | MAX | 100 | 101 | 97 | 88 | 87 | 60 | 62 | 70 | 67 | 63 | 102 | 103 | 103 | 95 |
| | MIN | 46 | 44 | 39 | 33 | 28 | 23 | 24 | 27 | 26 | 28 | 28 | 51 | 51 | 50 |
| | AV MAX | 90.2 | 94.1 | M | 78.1 | 65.1 | 50.2 | 53.8 | 55.8 | 60.1 | 55.9 | 83.5 | M | 97.9M | 88.3M |
| | AV MIN | 53.9 | 57.4 | M | 42.2 | 40.9 | 34.5 | 32.4 | 33.5 | 37.4 | 36.1 | 48.5 | M | 59.0M | 55.7M |
| | AVG | 72.0 | 75.7 | M | 60.1 | 50.3 | 42.4 | 43.1 | 44.6 | 48.8 | 46.0 | 66.0 | M | 78.4M | 72.0M |
| CATHEYS VAL BULL RUN | MAX | 103 | 103 | 99 | 90 | 88 | 65 | 65 | 67 | 69 | 60 | 102 | 104 | 105 | 101 |
| | MIN | 49 | 45 | 42 | 36 | 31 | 26 | 27 | 30 | 30 | 30 | 41 | 53 | 70 | 52 |
| | AV MAX | 91.5 | 96.6 | 86.4 | 78.8 | 66.7 | 51.8 | 55.3 | 56.7 | 62.5 | 56.8 | 83.3 | 98.3 | 99.9 | 90.9 |
| | AV MIN | 58.1 | 61.1 | 53.8 | 47.1 | 43.7 | 35.9 | 35.4 | 35.8 | 40.9 | 36.8 | 51.4 | 61.4 | 62.7 | 57.3 |
| | AVG | 74.8 | 78.8 | 70.1 | 62.9 | 55.2 | 43.8 | 45.3 | 46.2 | 51.7 | 46.8 | 67.4 | 79.8 | 81.3 | 74.1 |
| HIDDEN VALLEY | MAX | 105 | 106 | 102 | 93 | 92 | 70 | 74 | 80 | 80 | 64 | 106 | 105 | 105 | 100 |
| | MIN | 54 | 48 | 65 | 40 | 34 | 29 | 29 | 33 | 30 | 31 | 36 | 44 | 58 | 56 |
| | AV MAX | 93.7 | 98.0 | 89.4 | 80.9 | 68.3 | 58.3 | 60.9 | 64.0 | 61.9 | 55.6 | 85.4 | 99.0 | 101.0 | 91.0 |
| | AV MIN | 60.5 | 63.5 | 55.8 | 49.2 | 44.7 | 36.7 | 37.9 | 36.4 | 39.6 | 38.5 | 55.9 | 66.8 | 68.0 | 61.2 |
| | AVG | 77.1 | 80.7 | 72.6 | 65.0 | 56.5 | 47.5 | 49.4 | 50.2 | 50.8 | 47.0 | 70.6 | 82.9 | 84.5 | 76.5 |

TABLE A-4 (Cont.)
TEMPERATURE DATA
SAN JOAQUIN VALLEY

| Station Name | TEMPERATURE IN DEGREES FAHRENHEIT | | | | | | | | | | | | | | |
|--------------------------|-----------------------------------|------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1966 | | | | | | 1967 | | | | | | | | |
| | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
| MARIPOSA 8 ESE | MAX | | RB | 85 | 82 | 72 | 74 | 72 | M | 57 | 88 | 96 | 96 | 98 | M |
| | MIN | | RB | 34 | 36 | 20 | 24 | 27 | M | 24 | 32 | 38 | 52 | 54 | M |
| | AV MAX | | RB | 74.3 | 64.7 | 56.3 | 56.5 | 59.2 | M | 49.4M | 71.4 | 78.2 | 92.3M | 93.4 | M |
| | AV MIN | | RB | 44.5 | 43.4 | 32.6 | 33.0 | 31.9 | M | 33.0M | 45.0 | 49.4 | 59.2M | 61.8 | M |
| | AVG | | RB | 59.4 | 54.0 | 44.5 | 44.8 | 45.6 | M | 41.2M | 58.2 | 63.8 | 74.8M | 77.6 | M |
| OAKHURST | MAX | M | M | 87 | 85 | 70 | 65 | 76 | 88 | 59 | 91 | 104 | 100 | 101 | 98 |
| | MIN | M | M | 23 | 22 | 17 | 18 | 22 | 21 | 25 | 26 | 35 | 42 | 42 | 41 |
| | AV MAX | M | M | 76.8 | 69.7 | 56.7M | 57.4 | 62.7 | 61.4 | 52.2 | 72.4 | 79.8 | 96.5 | 96.2 | 88.9M |
| | AV MIN | M | M | 33.2 | 34.8 | 27.7M | 27.0 | 26.3 | 33.4 | 32.7 | 39.1 | 43.3 | 51.8 | 50.8 | 47.1M |
| | AVG | M | M | 55.0 | 52.2 | 42.2M | 42.2 | 44.5 | 47.4 | 42.4 | 55.7 | 61.5 | 74.2 | 73.5 | 68.0M |
| TRIANGLE - YORK | MAX | 96 | 88 | 88 | 84 | 65 | 70 | 70 | 67 | 58 | 93 | 98 | 98 | 99 | 94 |
| | MIN | 43 | 35 | 30 | 25 | 18 | 22 | 26 | 23 | 22 | 30 | 34 | 47 | 50 | 40 |
| | AV MAX | 85.8 | 79.3 | 74.9 | 59.9M | 50.6 | 54.3M | 56.0 | 52.3 | 45.1M | 73.2M | 78.1M | 92.0M | 97.7M | M |
| | AV MIN | 50.7 | 46.7 | 39.2 | 36.2M | 28.4 | 30.4M | 28.8 | 31.0 | 30.2M | 40.2M | 45.7M | 56.0M | 60.5M | M |
| | AVG | 68.2 | 72.0 | 57.0 | 48.0M | 39.5 | 42.3M | 42.4 | 41.6 | 38.1M | 56.7M | 61.9M | 74.0M | 79.1M | M |
| SAN JOAQUIN RIVER | | | | | | | | | | | | | | | |
| CRANE VALLEY P H | MAX | 98 | 100 | 86 | 84 | 68 | 70 | 72 | 70 | 58 | 90 | 96 | 98 | 102 | 96 |
| | MIN | 44 | 52 | 37 | 30 | 24 | 27 | 30 | 28 | 28 | 32 | 38 | 60 | 62 | 52 |
| | AV MAX | 88.7 | 92.4 | 83.8M | 80.0 | 54.8 | 57.3 | 61.2 | 56.6 | 50.8 | 71.4 | 78.2M | 92.3 | 98.3 | 85.9 |
| | AV MIN | 60.1 | 61.1 | 54.4M | 49.5 | 36.1 | 35.6 | 34.5 | 36.4 | 32.8 | 48.5 | 53.0M | 64.6 | 68.1 | 58.9 |
| | AVG | 74.4 | 76.8 | 69.1M | 64.7 | 45.4 | 46.4 | 47.8 | 46.5 | 41.8 | 60.0 | 65.6M | 78.4 | 83.2 | 72.4 |
| MEADOW LAKE | MAX | 95 | 97 | 84 | 81 | 68 | 70 | 73 | 74 | 54 | 89 | 94 | 95 | 93 | 90 |
| | MIN | 56 | 51 | 42 | 30 | 20 | 26 | 26 | 23 | 24 | 32 | 36 | 60 | 64 | 48 |
| | AV MAX | 84.7 | 88.9 | 79.7M | 72.9M | 54.4 | 54.2 | 58.6 | 54.9M | 43.5 | 67.9 | 72.7 | 89.9 | 89.5 | 78.7 |
| | AV MIN | 63.6 | 67.4 | 58.5M | 52.4M | 38.5 | 37.7 | 36.2 | 36.4M | 29.8 | 48.7 | 54.9 | 68.3 | 68.7 | 59.2 |
| | AVG | 74.2 | 78.1 | 69.1M | 62.6M | 46.4 | 45.9 | 47.4 | 45.6M | 36.6 | 58.3 | 63.8 | 79.1 | 79.1 | 68.9 |
| SAN JOAQUIN VAL WESTSIDE | | | | | | | | | | | | | | | |
| CASTLE ROCK RAD LAB | MAX | 110 | 109 | 100 | 87 | 65 | 70 | 73 | 73 | 69 | 103 | 108 | 109 | 115 | 102 |
| | MIN | 54 | 53 | 40 | 29 | 24 | 20 | 26 | 30 | 31 | 37 | 50 | 58 | 55 | 57 |
| | AV MAX | 90.6 | 99.6 | 82.4 | 68.0 | 55.4 | 59.4 | 60.0 | 65.4 | 61.5 | 82.4 | 86.7 | 102.1 | 104.4 | 94.4 |
| | AV MIN | 59.6 | 64.5 | 49.5 | 43.3 | 39.6 | 36.1 | 36.1 | 41.3 | 40.2 | 50.5 | 59.0 | 67.5 | 66.5 | 62.9 |
| | AVG | 75.1 | 82.0 | 65.9 | 55.6 | 47.5 | 47.7 | 48.0 | 53.4 | 50.8 | 66.4 | 72.8 | 84.8 | 85.4 | 78.6 |
| DEL PUERTO ROAD CAMP | MAX | 103 | 100 | 95 | 80 | 60 | 68 | 68 | M | 64 | M | M | 106 | M | M |
| | MIN | 44 | 45 | 41 | 28 | 23 | 21 | 24 | M | 30 | M | M | 50 | M | M |
| | AV MAX | 93.7 | 93.4 | 82.4 | 61.2 | 51.8 | 58.2 | 58.8 | M | 57.0 | M | M | 100.3 | M | M |
| | AV MIN | 53.7 | 57.9 | 51.2 | 37.9 | 33.0 | 32.9 | 31.2 | M | 35.3 | M | M | 60.1 | M | M |
| | AVG | 73.7 | 75.6 | 66.8 | 49.5 | 42.4 | 45.4 | 45.0 | M | 46.1 | M | M | 80.2 | M | M |

TABLE A-4 (Cont.)
TEMPERATURE DATA
SAN JOAQUIN VALLEY

| Station Name | TEMPERATURE IN DEGREES FAHRENHEIT | | | | | | | | | | | | | | |
|---------------------|---------------------------------------|------------------------------------|---------------------------------------|-----------------------------------|-------------------------------------|----------------------------------|-------------------------------------|----------------------------------|----------------------------------|------------------------------------|--------------------------------------|-----------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|
| | 1966 | | | | | | 1967 | | | | | | | | |
| | July | Aug | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar | Apr. | May | June | July | Aug. | Sept. |
| TULARE LAKE BASIN | | | | | | | | | | | | | | | |
| TULARE LAKE VAL FL | | | | | | | | | | | | | | | |
| ARVIN | MAX MIN AV MAX AV MIN AVG | 105 56 98.9 64.9 81.9 | 101 49 86.4 58.1 72.2 | 92 39 80.6 48.9 64.7 | 92 32 69.8 45.1 57.4 | 69 28 54.1 39.3 46.7 | 71 25 61.0 34.0 47.5 | 75 31 63.1 38.7 50.9 | 81 34 71.4 43.5 57.4 | 72 38 64.8 43.6 54.2 | 101 39 84.8 55.5 70.1 | 105 45 89.2 59.5 74.3 | 105 62 100.3 68.2 84.2 | 107 62 100.8 69.2 85.0 | 98 59 90.8 63.5 77.1 |
| AVENAL WALDEN | MAX MIN AV MAX AV MIN AVG | 106 56 96.6 65.0 80.8 | 107 54 103.3M 70.1M 86.7M | 101 51 88.8 60.3 74.5 | 90 44 80.8 52.4 66.6 | 67 29 55.2 41.4 48.3 | 64 26 57.9 36.8 47.3 | 75 30 60.9 36.6 48.7 | 75 32 67.4 43.5 55.4 | 73 33 62.1M 41.2 51.6M | 105 40 87.6 54.7 71.1 | 103 47 93.3 60.0 76.6 | 111 64 105.2 69.9 87.5 | 109 67 104.3 71.4 87.8 | 100 61 93.0 65.9 79.4 |
| CARUTHERS 4 E | MAX MIN AV MAX AV MIN AVG | 104 51 94.6 56.4 75.5 | 105 47 97.9 58.2 78.0 | 90 42 86.6 51.1 68.8 | 91 31 80.8 42.2 61.5 | 61 23 44.5 34.5 39.5 | 61 23 44.5 33.2 42.8 | 68 30 56.4 35.9 46.2 | 74 30 63.6 39.6 51.6 | 70 32 61.0 40.7 50.8 | 104 38 84.4 49.8 67.1 | 105 47 88.5 55.2 71.8 | 108 51 100.9M 58.7M 79.8M | 109 53 101.6 60.2 80.9 | 106 52 93.1M 57.0M 75.0M |
| CORCORAN EL RICO 1 | MAX MIN AV MAX AV MIN AVG | 107 51 95.6 58.4 78.6 | 110 49 100.1 61.6 80.8 | 102 46 88.7 56.3 72.5 | 92 37 80.8 47.5 64.1 | 64 27 50.0 40.6 45.3 | 65 28 54.7 36.4 45.6 | 75 31 58.3 39.1 48.7 | 73 31 65.4 41.4 53.4 | 69 34 61.3 41.0 51.1 | 102 36 83.1 51.2 67.1 | 107 45 55.7 89.5 72.6 | 109 56 101.5 63.4 82.4 | 108 61 102.0 64.2 83.1 | 98 55 91.7 60.6 76.1 |
| COALINGA FEED YARDS | MAX MIN AV MAX AV MIN AVG | M M M M M | M M M M M | M M M M M | 92 39 82.0M 52.8M 67.4M | 68 24 51.6 36.3 44.0 | 66 21 57.0M 33.2M 45.1M | 74 30 56.5 35.1 45.8 | 72 28 62.4 39.4 50.9 | 70 30 58.5 37.1 47.8 | 101 34 82.5M 51.9M 67.2M | 104 42 83.9 56.3 70.1 | 107 60 101.0 66.0 85.0 | 110 64 103.5M 69.5M 86.4M | 100 60 89.4M 64.4M 76.9M |
| DEVILS DEN SLF | MAX MIN AV MAX AV MIN AVG | 110 52 100.5 61.9 81.2 | 111 50 101.4 62.0 81.7 | 106 44 91.3 55.4 73.3 | 94 35 84.5 46.2 65.3 | 76 28 57.4 40.0 48.7 | 64 24 57.5 32.0 44.8 | 78 24 60.3 35.4 47.8 | 74 30 65.8 39.5 52.6 | 70 33 62.8 38.9 50.8 | 105 40 84.9 51.3 68.1 | 110 46 91.1 56.8 73.9 | 112 60 104.5 66.7 85.6 | 108 62 105.3 67.3 86.3 | 102 52 96.0 61.7 78.8 |
| DIGIORGIO | MAX MIN AV MAX AV MIN AVG | 103 51 94.8 58.2 76.5 | 106 52 98.3 61.0 79.6 | 102 44 86.8 54.6 70.7 | 90 37 81.2 47.4 64.3 | 68 29 53.3 39.8 46.5 | 72 26 61.1 36.0 48.6 | 77 34 63.4 41.1 52.2 | 84 32 71.4 44.7 58.0 | 74 39 64.8 43.5 54.1 | 110 40 87.6 57.5 72.5 | 112 50 95.5 63.2 79.3 | 112 62 104.4 69.0 86.7 | 110 62 105.1 69.8 87.4 | 100 58 93.7 63.9 78.8 |

TABLE A-4 (Cont.)

TEMPERATURE DATA

SAN JOAQUIN VALLEY

| Station Name | TEMPERATURE IN DEGREES FAHRENHEIT | | | | | | | | | | | | | | |
|-----------------------|-----------------------------------|------|-------|------|-------|------|------|-------|-------|------|------|-------|-------|-------|-------|
| | 1966 | | | | | | 1967 | | | | | | | | |
| | July | Aug | Sept. | Oct. | Nov. | Dec | Jan. | Feb. | Mar | Apr. | May | June | July | Aug. | Sept. |
| FIVE POINTS - DIENER | MAX | 106 | 105 | 100 | 91 | 64 | 62 | 73 | 75 | 68 | 99 | 106 | 107 | 108 | 98 |
| | MIN | 52 | 50 | 49 | 41 | 28 | 28 | 31 | 32 | 35 | 40 | 47 | 60 | 62 | 58 |
| | AV MAX | 94.3 | 97.9 | 87.2 | 79.8 | 51.0 | 55.0 | 59.0 | 65.1 | 62.3 | 81.9 | 88.6 | 101.5 | 101.9 | 92.1 |
| | AV MIN | 60.1 | 64.0 | 57.6 | 50.0 | 40.2 | 36.4 | 39.1 | 43.3 | 41.4 | 52.0 | 57.4 | 67.6 | 67.9 | 63.3 |
| | AVG | 77.2 | 80.9 | 72.4 | 64.9 | 45.6 | 45.7 | 49.0 | 54.2 | 51.8 | 66.9 | 73.0 | 84.6 | 84.9 | 77.7 |
| FRESNO CO WESTSIDE FD | MAX | 109 | 110 | 104 | 89 | 68 | 67 | 71 | 77 | 70 | 104 | 106 | 109 | 109 | 106 |
| | MIN | 52 | 48 | 45 | 38 | 28 | 25 | 28 | 31 | 32 | 35 | 46 | 59 | 63 | 56 |
| | AV MAX | 96.9 | 101.7 | 89.2 | 81.8 | 52.6 | 56.7 | 58.9 | 67.0 | 60.8 | 84.5 | 87.6 | 103.5 | 104.0 | 93.5 |
| | AV MIN | 62.5 | 64.5 | 57.5 | 50.3 | 38.5 | 34.2 | 38.1 | 40.9 | 40.4 | 51.4 | 47.3 | 67.5 | 67.6 | 62.5 |
| | AVG | 79.7 | 83.1 | 73.4 | 66.0 | 45.6 | 45.4 | 48.5 | 54.0 | 50.6 | 68.0 | 72.4 | 85.5 | 85.8 | 78.0 |
| HANFORD WELL #21 | MAX | 104 | 108 | 100 | 90 | 62 | 63 | 74 | 76 | 69 | 101 | 103 | 104 | 105 | 99 |
| | MIN | 52 | 50 | 47 | 33 | 27 | 25 | 28 | 32 | 33 | 38 | 45 | 53 | 58 | 55 |
| | AV MAX | 94.1 | 95.2 | 88.1 | 80.0 | 50.7 | 55.2 | 59.7 | 65.1 | 62.0 | 83.7 | 88.8 | 99.5 | 99.3 | 91.2 |
| | AV MIN | 58.4 | 61.4 | 54.9 | 46.6 | 36.6 | 35.2 | 37.0 | 41.5 | 40.8 | 51.4 | 56.8 | 64.4 | 63.9 | 59.0 |
| | AVG | 76.2 | 78.3 | 71.5 | 63.3 | 43.6 | 45.2 | 48.4 | 53.3 | 51.4 | 67.5 | 72.8 | 81.9 | 81.6 | 75.1 |
| IVANHOE I D | MAX | 106 | 106 | 101 | 94 | 73 | 68 | 71 | 81 | 72 | 106 | 105 | 106 | 103 | 104 |
| | MIN | 51 | 51 | 44 | 37 | 28 | 26 | 31 | 31 | 34 | 38 | 47 | 58 | 59 | 55 |
| | AV MAX | 96.9 | 100.2 | 90.2 | 82.6 | 54.6 | 57.9 | 61.3 | 69.6 | 64.7 | 85.8 | 88.1 | 99.2 | 99.1 | 90.2 |
| | AV MIN | 59.7 | 62.4 | 54.3 | 45.8 | 38.4 | 34.5 | 37.7 | 40.5 | 40.1 | 51.7 | 57.6 | 66.0 | 64.7 | 61.1 |
| | AVG | 78.3 | 81.3 | 72.2 | 64.2 | 46.5 | 46.2 | 49.5 | 55.0 | 52.4 | 68.7 | 72.8 | 82.6 | 81.9 | 75.6 |
| KETTLEMAN HILLS | MAX | 105 | 106 | 99 | 92 | 61 | 62 | 75 | 72 | 65 | 102 | 104 | 107 | 107 | 99 |
| | MIN | 59 | 58 | 53 | 43 | 36 | 32 | 40 | 41 | 40 | 45 | 51 | 71 | 72 | 63 |
| | AV MAX | 93.2 | 94.2 | 85.6 | 78.6 | 47.7 | 54.4 | 55.3M | 62.0 | 57.3 | 80.5 | 86.1 | 100.0 | 100.8 | 90.0 |
| | AV MIN | 69.4 | 74.9 | 65.9 | 60.6 | 42.6 | 43.5 | 44.6M | 47.7 | 44.0 | 61.3 | 62.5 | 77.3 | 79.2 | 69.7 |
| | AVG | 81.3 | 84.6 | 75.8 | 69.6 | 45.1 | 49.0 | 50.0M | 54.8 | 50.6 | 70.9 | 74.3 | 88.6 | 90.0 | 79.8 |
| MAGUNDEN | MAX | 108 | 109 | 104 | 92 | 68 | 68 | 74 | 78 | 72 | 104 | 109 | 110 | 113 | 98 |
| | MIN | 59 | 55 | 50 | 47 | 27 | 26 | 31 | 32 | 39 | 40 | 46 | 65 | 67 | 62 |
| | AV MAX | 98.3 | 101.2 | 88.9 | 81.5 | 52.0 | 58.9 | 60.6 | 68.8M | 63.7 | 84.6 | 91.6 | 104.3 | 105.5 | 93.1M |
| | AV MIN | 65.8 | 68.8 | 61.1 | 52.3 | 39.2 | 35.0 | 39.0 | 43.9M | 45.1 | 56.7 | 61.2 | 71.8 | 73.1 | 66.2M |
| | AVG | 82.0 | 85.0 | 75.0 | 66.9 | 47.6 | 47.0 | 49.8 | 56.4M | 54.4 | 70.6 | 76.4 | 88.0 | 89.3 | 79.6M |
| MENDOTA MURRIETA FARM | MAX | 105 | 104 | 98 | 90 | 56 | 62 | 71 | 74 | 68 | 100 | 104 | 105 | 102 | 98 |
| | MIN | 50 | 46 | 44 | 37 | 24 | 24 | 29 | 30 | 29 | 37 | 41 | 53 | 56 | 53 |
| | AV MAX | 93.9 | 96.6 | 87.0 | 78.6M | 50.0 | 55.0 | 58.6 | 65.1 | 60.8 | 83.1 | 88.7 | 99.8 | 97.5 | 90.4 |
| | AV MIN | 57.4 | 59.6 | 54.1 | 47.1M | 38.8 | 33.6 | 35.8 | 38.8 | 38.6 | 47.7 | 53.7 | 62.6 | 63.7 | 59.0 |
| | AVG | 75.6 | 78.1 | 70.5 | 62.8M | 44.4 | 44.3 | 47.2 | 55.7 | 49.7 | 65.4 | 71.2 | 81.2 | 80.6 | 74.7 |
| NORTH BELBRIDGE | MAX | 107 | 108 | 101 | 91 | 68 | 66 | 75 | 75 | 70 | 104 | 110 | 107 | 110 | 101 |
| | MIN | 59 | 58 | 55 | 45 | 30 | 26 | 32 | 35 | 37 | 44 | 52 | 69 | 67 | 63 |
| | AV MAX | 96.2 | 99.5 | 88.4 | 80.5 | 52.2 | 56.9 | 58.4 | 66.3 | 61.5 | 83.8 | 89.2M | 102.1 | 103.6 | 92.0 |
| | AV MIN | 68.4 | 70.5 | 62.2 | 53.4 | 40.5 | 36.9 | 39.6 | 43.5 | 42.3 | 57.5 | 63.4M | 74.6 | 75.4 | 68.4 |
| | AVG | 82.4 | 85.0 | 75.3 | 66.9 | 46.4 | 46.9 | 49.0 | 54.8 | 51.9 | 70.6 | 76.3M | 88.4 | 89.5 | 80.2 |

TABLE A-4 (Cont.)
TEMPERATURE DATA
SAN JOAQUIN VALLEY

| Station Name | TEMPERATURE IN DEGREES FAHRENHEIT | | | | | | | | | | | | | | |
|----------------------|-----------------------------------|------|-------|------|------|------|------|------|-------|------|------|------|-------|-------|-------|
| | 1966 | | | | | | 1967 | | | | | | | | |
| | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
| OLD RIVER 3 S | MAX | 103 | 103 | 99 | 94 | 92 | 69 | 68 | 79 | 72 | 103 | 103 | 106 | 114 | 101 |
| | MIN | 51 | 62 | 45 | 31 | 27 | 19 | 27 | 29 | 34 | 36 | 43 | 56 | 56 | 54 |
| | AV MAX | 94.8 | 96.8 | 87.5 | 80.7 | 68.1 | 56.9 | 55.5 | 67.7M | 61.0 | 83.0 | 89.0 | 97.3 | 104.0 | 92.6M |
| | AV MIN | 60.1 | 61.9 | 55.5 | 45.1 | 40.6 | 29.3 | 34.0 | 40.2M | 44.2 | 52.4 | 57.4 | 65.2 | 68.1 | 62.6M |
| | AVG | 77.4 | 79.4 | 71.5 | 62.9 | 54.4 | 43.1 | 44.8 | 54.0M | 52.6 | 67.7 | 73.2 | 81.3 | 86.0 | 77.3M |
| RECTOR | MAX | 104 | 106 | 99 | 92 | 87 | 64 | 76 | 76 | 72 | 102 | 105 | 106 | 106 | 98 |
| | MIN | 51 | 51 | 44 | 35 | 31 | 27 | 32 | 32 | 38 | 38 | 45 | 58 | 59 | 54 |
| | AV MAX | 94.8 | 97.7 | 88.4 | 81.0 | 70.2 | 55.4 | 58.0 | 66.0 | 62.1 | 83.6 | 88.3 | 100.2 | 100.6 | 91.8 |
| | AV MIN | 59.6 | 60.6 | 55.3 | 46.3 | 42.4 | 35.5 | 37.8 | 42.4 | 43.1 | 52.9 | 57.1 | 65.1 | 65.7 | 60.8 |
| | AVG | 77.2 | 79.1 | 71.8 | 63.6 | 56.3 | 45.4 | 47.9 | 54.2 | 52.6 | 68.2 | 72.7 | 82.6 | 83.1 | 76.3 |
| RIVERDALE | MAX | 106 | 106 | 100 | 91 | 88 | 68 | 77 | 77 | 71 | 101 | 105 | 106 | 105 | 98 |
| | MIN | 52 | 49 | 47 | 33 | 29 | 24 | 29 | 31 | 34 | 36 | 47 | 57 | 58 | 56 |
| | AV MAX | 94.9 | 97.2 | 87.8 | 81.8 | 70.3 | 56.0 | 58.8 | 66.3 | 63.1 | 82.3 | 87.8 | 99.4 | 99.4 | 91.5 |
| | AV MIN | 58.4 | 60.6 | 54.7 | 45.5 | 37.6 | 33.8 | 36.4 | 41.1 | 40.6 | 51.6 | 56.9 | 65.1 | 63.4 | 59.9 |
| | AVG | 76.6 | 78.9 | 71.2 | 63.6 | 57.1 | 44.9 | 47.6 | 53.7 | 51.8 | 66.9 | 72.3 | 81.4 | 81.4 | 75.7 |
| SANGER 1 NE | MAX | 107 | 107 | 102 | 90 | 86 | 64 | 76 | 73 | 70 | 104 | 106 | 107 | 106 | 98 |
| | MIN | 50 | 50 | 44 | 37 | 32 | 27 | 32 | 33 | 38 | 38 | 46 | 57 | 58 | 54 |
| | AV MAX | 96.4 | 100.0 | 89.6 | 79.3 | 68.0 | 56.2 | 59.9 | 66.0 | 62.5 | 85.3 | 90.4 | 101.5 | 101.7 | 91.7 |
| | AV MIN | 58.0 | 60.4 | 55.2 | 47.6 | 45.3 | 37.9 | 39.2 | 43.7 | 43.4 | 52.1 | 56.9 | 64.8 | 65.3 | 60.7 |
| | AVG | 77.2 | 80.2 | 72.4 | 63.4 | 56.6 | 47.0 | 49.6 | 54.8 | 52.9 | 68.7 | 73.6 | 83.2 | 83.5 | 76.2 |
| SOUTH BELBRIDGE | MAX | 106 | 109 | 104 | 94 | 88 | 67 | 76 | 78 | 70 | 106 | 110 | 110 | 112 | 101 |
| | MIN | 61 | 55 | 53 | 44 | 32 | 24 | 33 | 32 | 35 | 44 | 51 | 67 | 67 | 59 |
| | AV MAX | 95.8 | 100.7 | 90.7 | 82.9 | 69.9 | 58.8 | 60.6 | 68.4 | 62.7 | 85.7 | 91.3 | 104.2 | 104.8 | 93.3 |
| | AV MIN | 69.2 | 69.9 | 61.7 | 52.1 | 42.5 | 35.9 | 39.5 | 43.9 | 42.5 | 58.0 | 63.6 | 72.8 | 73.5 | 66.4 |
| | AVG | 82.5 | 85.3 | 76.2 | 67.5 | 57.5 | 47.4 | 50.0 | 56.1 | 52.6 | 71.8 | 77.4 | 88.5 | 89.1 | 79.8 |
| SOUTH LAKE FARMS HDQ | MAX | 106 | 109 | 101 | 89 | 88 | 65 | 74 | 74 | 68 | 101 | 106 | 108 | 107 | 98 |
| | MIN | 52 | 51 | 46 | 35 | 33 | 26 | 29 | 30 | 33 | 36 | 45 | 60 | 62 | 56 |
| | AV MAX | 96.0 | 100.0 | 88.4 | 80.5 | 68.4 | 55.1 | 57.8 | 65.8 | 62.1 | 83.3 | 89.1 | 100.6 | 101.0 | 91.5 |
| | AV MIN | 58.8 | 62.1 | 56.5 | 44.8 | 42.8 | 34.0 | 37.6 | 40.4 | 40.5 | 50.9 | 56.7 | 65.7 | 67.2 | 62.5 |
| | AVG | 77.4 | 81.0 | 72.4 | 62.6 | 55.6 | 44.6 | 47.7 | 53.1 | 51.3 | 67.1 | 72.9 | 83.2 | 84.1 | 77.0 |
| TRANQUILLITY GLOTZ | MAX | M | 106 | 101 | 93 | 87 | 60 | 73 | 73 | 67 | 104 | 105 | 108 | 109 | 100 |
| | MIN | M | 51 | 50 | 37 | 30 | 26 | 30 | 29 | 30 | 40 | 45 | 58 | 60 | 58 |
| | AV MAX | M | 97.4 | 87.7 | 79.4 | 68.1 | 54.2 | 56.4 | 64.0 | 60.8 | 83.0 | 89.0 | 101.6 | 101.4 | 91.0 |
| | AV MIN | M | 63.0 | 57.5 | 48.5 | 42.0 | 36.7 | 38.7 | 42.4 | 41.7 | 52.1 | 58.2 | 66.5 | 66.0 | 62.6 |
| | AVG | M | 80.2 | 72.6 | 63.9 | 56.5 | 45.4 | 47.6 | 53.3 | 51.2 | 67.5 | 73.6 | 84.0 | 83.7 | 76.8 |
| TULARE | MAX | 107 | 108 | 102 | 97 | 89 | 65 | 76 | 77 | 70 | 106 | 109 | 110 | 110 | 98 |
| | MIN | 54 | 53 | 46 | 38 | 30 | 28 | 30 | 34 | 37 | 38 | 49 | 58 | 60 | 57 |
| | AV MAX | 96.3 | 100.3 | 90.7 | 83.9 | 70.7 | 55.6 | 59.2 | 66.7 | 62.1 | 85.0 | 90.9 | 103.4 | 103.4 | 91.8 |
| | AV MIN | 60.8 | 62.9 | 56.3 | 47.7 | 44.1 | 36.4 | 39.0 | 43.2 | 42.4 | 52.9 | 57.4 | 66.6 | 66.8 | 62.4 |
| | AVG | 78.5 | 81.6 | 73.5 | 65.8 | 57.4 | 46.0 | 49.1 | 55.0 | 52.2 | 68.9 | 74.1 | 85.0 | 85.1 | 77.1 |

TABLE A-4 (Cont.)
TEMPERATURE DATA
SAN JOAQUIN VALLEY

| Station Name | TEMPERATURE IN DEGREES FAHRENHEIT | | | | | | | | | | | | | | |
|----------------------|-----------------------------------|------|-------|------|------|------|-------|-------|------|------|------|-------|-------|-------|-------|
| | 1966 | | | | | | 1967 | | | | | | | | |
| | July | Aug | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
| U S COTTON FIELD STN | MAX | 105 | 105 | 100 | 92 | 88 | 69 | 74 | 77 | 70 | 100 | 105 | 104 | 106 | 96 |
| | MIN | 55 | 53 | 49 | 39 | 35 | 25 | 30 | 34 | 37 | 40 | 49 | 63 | 63 | 57 |
| | AV MAX | 94.2 | 98.1 | 87.7 | 81.2 | 68.3 | 51.4 | 58.5 | 67.2 | 60.9 | 82.2 | 88.8 | 98.5 | 97.8 | 89.5 |
| | AV MIN | 63.1 | 65.0 | 58.8 | 49.6 | 45.7 | 39.3 | 38.1 | 43.6 | 43.5 | 54.6 | 60.9 | 68.5 | 67.8 | 62.8 |
| | AVG | 78.6 | 81.5 | 73.2 | 65.4 | 57.0 | 45.3 | 48.3 | 55.4 | 52.2 | 68.4 | 74.9 | 83.5 | 82.8 | 76.2 |
| VESTAL | MAX | 105 | 109 | 102 | 92 | 90 | 66 | 78 | 79 | 72 | 105 | 108 | 108 | 110 | 101 |
| | MIN | 58 | 54 | 50 | 44 | 35 | 33 | 36 | 33 | 36 | 40 | 48 | 64 | 60 | 60 |
| | AV MAX | 95.3 | 99.4 | 89.8 | 83.1 | 70.4 | 53.5 | 61.4 | 67.7 | 64.5 | 87.1 | 92.0 | 102.7 | 103.1 | 94.0 |
| | AV MIN | 65.3 | 67.5 | 60.4 | 53.9 | 48.9 | 44.5 | 42.8 | 45.2 | 44.0 | 56.4 | 59.9 | 70.9 | 72.4 | 67.3 |
| | AVG | 80.3 | 83.4 | 75.1 | 68.5 | 59.6 | 49.0 | 52.1 | 56.4 | 54.2 | 71.7 | 75.9 | 86.8 | 87.7 | 80.6 |
| KINGS RIVER | MAX | 108 | 109 | 102 | 94 | 91 | 65 | 69 | 74 | 68 | 96 | 107 | 109 | 108 | 104 |
| | MIN | 52 | 48 | 43 | 36 | 32 | 27 | 32 | 33 | 32 | 36 | 44 | 58 | 58 | 53 |
| | AV MAX | 98.1 | 101.5 | 90.7 | 82.0 | 69.5 | 51.8 | 58.8 | 64.2 | 58.8 | 79.8 | 88.0 | 102.5 | 102.4 | 93.0 |
| | AV MIN | 59.1 | 61.1 | 53.8 | 46.3 | 43.8 | 38.1 | 37.6 | 41.2 | 39.8 | 48.6 | 53.9 | 64.9 | 64.9 | 57.9 |
| | AVG | 78.6 | 81.3 | 72.2 | 64.1 | 56.6 | 45.0 | 48.2 | 52.7 | 49.3 | 64.2 | 70.9 | 83.7 | 83.6 | 75.4 |
| PINEHURST R S | MAX | 91 | 93 | 88 | 81 | 80 | 67 | 70 | 69 | M | 83 | 91 | 92 | 95 | 91 |
| | MIN | 51 | 50 | 42 | 38 | 30 | 21 | 26 | 22 | M | 25 | 35 | 60 | 59 | 54 |
| | AV MAX | 83.2 | 86.5 | 79.4 | 72.0 | M | M | M | M | M | M | 72.8M | 87.0M | 89.7M | 80.0M |
| | AV MIN | 59.7 | 63.6 | 55.3 | 49.9 | M | M | M | M | M | M | 51.9M | 64.7M | 65.9M | 57.7M |
| | AVG | 71.4 | 75.0 | 67.3 | 60.9 | M | M | M | M | M | M | 62.3M | 76.2M | 77.8M | 68.8M |
| KAWEAH RIVER | MAX | 104 | 105 | 98 | 90 | 85 | 65 | 67 | 74 | 68 | 101 | 105 | 106 | 105 | 105 |
| | MIN | 53 | 45 | 49 | 41 | 38 | 31 | 31 | 35 | 35 | 37 | 45 | 60 | 65 | 58 |
| | AV MAX | 94.3 | 97.7 | 87.5 | 79.5 | 68.7 | 51.6 | 57.8 | 64.2 | 60.0 | 81.2 | 86.8 | 99.8 | 100.6 | 90.3 |
| | AV MIN | 63.2 | 66.2 | 57.3 | 51.5 | 47.3 | 39.5 | 39.0 | 42.5 | 39.8 | 53.4 | 59.0 | 70.2 | 72.2 | 67.4 |
| | AVG | 78.7 | 81.9 | 72.4 | 65.5 | 58.0 | 45.6 | 43.4 | 53.3 | 49.9 | 67.3 | 72.9 | 85.0 | 86.4 | 77.4 |
| TERMINUS DAM | MAX | 89 | 92 | 88 | 79 | 77 | 56 | 66 | 67 | M | 82 | 89 | 90 | 91 | 83 |
| | MIN | 45 | 44 | 41 | 33 | 25 | 15 | 20 | 17 | M | M | 29 | 53 | 53 | 44 |
| | AV MAX | 83.4 | 83.7 | 79.9 | 69.3 | 50.2 | 31.8M | 47.4M | 47.2 | M | M | 68.9 | 85.2 | 86.9 | 75.0 |
| | AV MIN | 53.5 | 57.0 | 50.2 | 44.9 | 35.8 | 46.9M | 32.6M | 29.9 | M | M | 46.3 | 58.3 | 59.5 | 51.9 |
| | AVG | 68.4 | 70.3 | 65.0 | 57.1 | 43.0 | 39.4M | 40.0M | 38.6 | M | M | 57.6 | 71.8 | 73.2 | 63.4 |
| WHITAKER FOREST | MAX | 105 | 105 | 100 | 91 | 87 | 65 | 69 | 74 | 70 | 102 | 105 | 107 | 106 | 107 |
| | MIN | 55 | 52 | 46 | 42 | 38 | 30 | 26 | 32 | 35 | 36 | 44 | 60 | 60 | 57 |
| | AV MAX | 95.4 | 98.7 | 88.3 | 81.3 | 69.5 | 52.6 | 58.3 | 65.5 | 60.5 | 81.2 | 87.1 | 100.7 | 101.5 | 91.1 |
| | AV MIN | 61.9 | 65.2 | 58.5 | 51.4 | 46.7 | 39.6 | 39.1 | 43.5 | 41.4 | 53.0 | 56.6 | 67.1 | 68.7 | 62.8 |
| | AVG | 78.6 | 81.9 | 73.4 | 66.3 | 58.1 | 46.1 | 48.7 | 54.5 | 50.9 | 67.1 | 71.8 | 83.9 | 85.1 | 77.0 |
| TULE RIVER | MAX | 105 | 105 | 100 | 91 | 87 | 65 | 69 | 74 | 70 | 102 | 105 | 107 | 106 | 107 |
| | MIN | 55 | 52 | 46 | 42 | 38 | 30 | 26 | 32 | 35 | 36 | 44 | 60 | 60 | 57 |
| | AV MAX | 95.4 | 98.7 | 88.3 | 81.3 | 69.5 | 52.6 | 58.3 | 65.5 | 60.5 | 81.2 | 87.1 | 100.7 | 101.5 | 91.1 |
| | AV MIN | 61.9 | 65.2 | 58.5 | 51.4 | 46.7 | 39.6 | 39.1 | 43.5 | 41.4 | 53.0 | 56.6 | 67.1 | 68.7 | 62.8 |
| | AVG | 78.6 | 81.9 | 73.4 | 66.3 | 58.1 | 46.1 | 48.7 | 54.5 | 50.9 | 67.1 | 71.8 | 83.9 | 85.1 | 77.0 |

TABLE A-4 (Cont.)
TEMPERATURE DATA
SAN JOAQUIN VALLEY

| Station Name | TEMPERATURE IN DEGREES FAHRENHEIT | | | | | | | | | | | | | | |
|--|-----------------------------------|------|-------|------|------|------|-------|------|------|------|------|------|-------|--------|-------|
| | 1966 | | | | | | 1967 | | | | | | | | |
| | July | Aug | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar | Apr. | May | June | July | Aug | Sept |
| GREENHORN MOUNTAIN WOODY | MAX | 102 | 103 | 99 | 88 | 89 | 63 | 70 | 70 | 62 | 98 | 104 | 105 | 108 | 105 |
| | MIN | 47 | 46 | 43 | 38 | 34 | 26 | 30 | 27 | 30 | 34 | 69 | 53 | 58 | 55 |
| | AV MAX | 94.3 | 96.6 | 86.8 | 79.9 | 67.6 | 53.3M | 56.8 | 57.2 | 61.9 | 77.8 | 86.1 | 99.9 | 100.9M | 91.7 |
| | AV MIN | 59.9 | 64.2 | 55.5 | 48.6 | 44.4 | 33.3M | 34.8 | 35.5 | 38.9 | 49.6 | 52.3 | 66.5 | 67.1M | 59.0 |
| | AVG | 77.1 | 80.4 | 71.1 | 64.2 | 56.0 | 43.3M | 45.8 | 46.4 | 50.4 | 46.4 | 63.7 | 69.2 | 83.2 | 84.0M |
| KERN RIVER ISABELLA DAM | MAX | 102 | 105 | 99 | 91 | 88 | 67 | 74 | 79 | 69 | 100 | 104 | 104 | 104 | 99 |
| | MIN | 50 | 54 | 43 | 33 | 28 | 21 | 24 | 27 | 28 | 30 | 36 | 55 | 57 | 52 |
| | AV MAX | 94.1 | 97.0 | 89.2 | 79.7 | 65.6 | 56.2 | 62.5 | 64.6 | 55.4 | 77.0 | 83.3 | 98.3 | 99.8 | 88.0 |
| | AV MIN | 60.9 | 63.2 | 55.2 | 44.9 | 39.2 | 33.4 | 32.6 | 37.7 | 38.0 | 47.6 | 52.5 | 63.8 | 64.4 | 57.2 |
| | AVG | 77.5 | 80.1 | 72.2 | 62.3 | 52.4 | 44.8 | 45.3 | 47.6 | 51.3 | 62.3 | 67.9 | 81.0 | 82.1 | 72.6 |
| TEHACHAPI MOUNTAINS CUMMINGS VALLEY 2 | MAX | 90 | 92 | 91 | 80 | 80 | 64 | 70 | 70 | 58 | 86 | 86 | 90 | 94 | 90 |
| | MIN | 38 | 36 | 28 | 20 | 20 | 14 | 18 | 22 | 22 | 26 | 24 | 42 | 42 | 40 |
| | AV MAX | 82.6 | 85.2 | 78.7 | 70.1 | 60.9 | 53.5 | 57.9 | 53.9 | 44.2 | 65.2 | 73.2 | 86.2 | 88.7 | 80.3 |
| | AV MIN | 44.5 | 47.3 | 42.1 | 36.9 | 34.0 | 31.9 | 28.8 | 27.5 | 31.4 | 38.6 | 39.6 | 49.9 | 51.7 | 46.9 |
| | AVG | 63.6 | 66.2 | 60.4 | 53.5 | 47.4 | 42.7 | 42.0 | 41.7 | 42.6 | 51.9 | 56.4 | 68.1 | 70.2 | 63.9 |
| KEENE | MAX | 95 | 97 | 95 | 90 | 85 | 70 | 75 | 74 | 60 | 96 | 97 | 98 | 98 | 93 |
| | MIN | 47 | 46 | 39 | 35 | 29 | 23 | 26 | 27 | 30 | 31 | 35 | 44 | 45 | 51 |
| | AV MAX | 88.2 | 89.6 | 82.0 | 73.4 | 65.0 | 57.9 | 59.6 | 60.8 | 74.2 | 74.2 | 80.8 | 93.0 | 93.9 | 83.4 |
| | AV MIN | 56.8 | 57.2 | 51.2 | 46.2 | 43.0 | 35.2 | 35.5 | 35.0 | 37.3 | 46.6 | 49.8 | 61.2 | 62.1 | 57.6 |
| | AVG | 72.5 | 73.4 | 66.6 | 59.8 | 54.0 | 46.1 | 47.6 | 47.9 | 48.9 | 60.4 | 65.3 | 77.1 | 78.0 | 70.5 |
| TULARE L BAS WESTSIDE DOMENGINE RANCH | MAX | 108 | 104 | 100 | 91 | 84 | 65 | 70 | 70 | 65 | 100 | 105 | 106 | 108 | 98 |
| | MIN | 53 | 52 | 54 | 48 | 32 | 32 | 36 | 37 | 35 | 41 | 40 | 62 | 60 | 49 |
| | AV MAX | 91.3 | 96.6 | 86.7 | 79.1 | 66.6 | 49.9 | 54.4 | 55.6 | 58.4 | 81.2 | 86.9 | 100.2 | 100.9 | 90.6 |
| | AV MIN | 63.6 | 70.2 | 62.3 | 56.1 | 49.0 | 39.6 | 39.2 | 41.4 | 44.6 | 55.6 | 56.7 | 70.4 | 71.8 | 63.7 |
| | AVG | 77.4 | 83.4 | 74.5 | 67.6 | 57.8 | 44.8 | 46.8 | 48.5 | 53.1 | 68.4 | 71.8 | 85.3 | 86.4 | 72.7 |
| TAFT KTKR RADIO | MAX | 105 | 106 | 100 | 91 | 90 | 67 | 75 | 75 | 66 | 102 | 103 | 106 | 102 | 105 |
| | MIN | 56 | 54 | 59 | 43 | 36 | 27 | 32 | 38 | 34 | 41 | 47 | 66 | 74 | 58 |
| | AV MAX | 94.5 | 98.6 | 85.7 | 78.2 | 68.3 | 51.7 | 55.5 | 58.9 | 59.1 | 81.2 | 86.7 | 100.4 | 101.5 | 90.7 |
| | AV MIN | 65.7 | 69.4 | 59.6 | 53.7 | 46.7 | 37.0 | 33.8 | 38.2 | 43.6 | 57.2 | 60.5 | 72.7 | 73.9 | 66.4 |
| | AVG | 80.1 | 84.0 | 72.6 | 65.9 | 57.5 | 44.3 | 44.5 | 48.6 | 55.2 | 69.2 | 73.6 | 86.6 | 87.7 | 78.5 |

TABLE A-5

EVAPORATION DATA

The definition of terms and the abbreviations used in connection with this table are as follows:

| | |
|--------|---|
| Evap | The total amount of water evaporated from the pan for the month. |
| Wind | The amount of movement of air over the pan in miles for the month. |
| Av Max | Arithmetical average of daily maximum water temperature for the month. |
| Av Min | Arithmetical average of daily minimum water temperature for the month. |
| - | No record. |
| M | One or more days of record missing; if average value is entered, less than ten days of record is missing. |
| RB | Record begins. |
| RE | Record ends. |

Wind and water temperature data are not available at all evaporation stations.

TABLE A-5

| Station Name | Evaporation in Inches | | | | Wind in Total Miles | | | | | | | Water Temperature in Degrees Fahrenheit | | | | | | | Total Oct. To Sept. 30 |
|------------------------|----------------------------------|---------------|---------------|--------------|---------------------|--------------|---------------|--------------|--------------|--------------|---------------|---|---------------|---------------|--------------|-----------------|--|--|---------------------------------|
| | Total July 1 To June 30 | 1966 | | | | | | | 1967 | | | | | | | | | | |
| | | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | | | |
| SAN JOAQUIN BASIN | | | | | | | | | | | | | | | | | | | |
| SAN JOAQUIN VAL FLOOR | | | | | | | | | | | | | | | | | | | |
| LOS BANOS FIELD STA | 84.65E 31067 | 15.12 3160 | 9.49 2575 | 6.50 2083 | 3.94 1584 | 0.90 1320 | 1.45E 3036 | 1.71 1270 | 4.39 2714 | 2.70 2189 | 11.73 3623 | 12.14 3880 | 15.97 2860 | 13.04 2162 | 8.37 1645 | 82.84E 28366 | | | |
| MERCED 5 SE | 64.24 15477 | 10.27 923 | 7.27 1504 | 4.99 1221 | 2.21 1380 | 0.65 1240 | 1.39 607 | 1.53 915 | 3.86 1178 | 4.06 1461 | 7.43 1039 | 9.15 2118 | 10.26 1026 | 9.28 600 | 6.02 665 | 13450 | | | |
| WESTLEY | - | 10.21 | 9.51 | 4.61 | 2.47 | 4.52 | - | 1.48 | 3.34 | 2.74 | 7.78 | 8.83 | 10.29 | 9.46 | 6.29 | - | | | |
| TUOLUMNE RIVER | | | | | | | | | | | | | | | | | | | |
| DON PEDRO RESERVOIR | 76.36 | 13.46 | 14.53 | 6.99 | 2.60 | 0.41 | 0.88 | 2.15 | 3.19 | 2.57 | 9.55 | 10.25 | 15.17 | 13.89 | 9.85 | 77.50 | | | |
| FRESNO-CHOWCHILLA R | | | | | | | | | | | | | | | | | | | |
| CATHEYS VLY-BULL RUN R | 64.94 9345 | 12.42 1087 | 12.57 1025 | 5.85 734 | 2.05 757 | 0.74 651 | 1.28 884 | 1.78 574 | 2.83 1229 | 2.72 523 | 6.58 479 | 8.13 532 | 12.71 801 | 11.87 703 | 8.17 637 | 64.71 8504 | | | |
| TULARE LAKE BASIN | | | | | | | | | | | | | | | | | | | |
| TULARE LAKE VAL FLOOR | | | | | | | | | | | | | | | | | | | |
| CORCORAN EL RICO I | 80.81 - | 14.73 - | 15.03 1750 | 6.57 1245 | 2.55 1000 | 0.44 1040 | 0.61 1190 | 1.87 1010 | 3.94 1890 | 2.17 1635 | 11.39 2165 | 10.99 1925 | 14.63 1685 | 13.30 1475 | 8.79 1335 | 77.25 17595 | | | |
| OLD RIVER 3 S | 61.02 10958 | 8.91 618 | 8.87 436 | 4.19 419 | 1.91 387 | 0.97 712 | 1.57 1005 | 1.97 870 | 4.18 1554 | 3.79 1410 | 8.29 1441 | 9.26 2375 | 10.28 1687 | 9.39 788 | 6.65 874 | 62.47 11851 | | | |
| U S COTTON FIELD STA | 78.42 17617 | 13.43 1950 | 12.49 1290 | 5.83 865 | 2.13 525 | 0.66 773 | 1.44 1107 | 2.12 1213 | 5.67 2104 | 4.07 1668 | 10.65 2208 | 11.33 2534 | 12.89 1197 | 10.41 642 | 8.20 922 | 75.40 15758 | | | |
| KINGS RIVER | | | | | | | | | | | | | | | | | | | |
| PINE FLAT DAM | 61.66 9472 | 11.68 916 | 11.98 888 | 5.26 810 | 2.00 702 | 0.61 638 | 0.81 799 | 1.56 721 | 2.60 877 | 2.31 869 | 6.62 678 | 8.44 710 | 11.52 718 | 10.95 801 | 7.49 661 | 60.17 8984 | | | |
| KAWEAH RIVER | | | | | | | | | | | | | | | | | | | |
| TERMINUS DAM | 80.35 - | 15.63 1643 | 15.93 1704 | 7.26 1843 | 3.39 1747 | 0.98 1504 | 1.55 1969 | 2.06 1337 | 3.36 - | 3.30 - | 7.36 982 | 10.06 1372 | 14.07 1552 | 14.05 1632 | 9.23 1421 | 76.67 - | | | |
| WHITAKER FOREST | - | 7.94 859 | 8.55 1031 | 5.74 940 | 0.21 708 | - 914 | - - | 0.91 1007 | - 837 | - - | - - | 4.11 - | 7.78 2043 | 8.14 946 | 4.44 744 | - - | | | |

TABLE A-5 (Cont.)
EVAPORATION DATA
SAN JOAQUIN VALLEY

| Station Name | Evaporation in Inches | | | | | | | | Wind in Total Miles | | | | | | | | Water Temperature in Degrees Fahrenheit | | | | | | | |
|-----------------------|----------------------------------|-------|-------|-------|------|------|------|------|---------------------|------|------|-------|-------|-------|-------|-----------------------------------|---|--|--|--|--|--|--|--|
| | Total July 1 To June 30 | 1966 | | | | | | | 1967 | | | | | | | Total Oct. 1 To Sept. 30 | | | | | | | | |
| | | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | | Sept. | | | | | | | |
| TULE RIVER | | | | | | | | | | | | | | | | | | | | | | | | |
| EVAP | 74.67 | 13.29 | 13.04 | 8.68 | 6.63 | 2.99 | 0.91 | 1.17 | 1.83 | 3.60 | 3.63 | 8.76 | 10.14 | 13.92 | 13.14 | 8.81 | 75.53 | | | | | | | |
| WIND | 14906 | 1645 | 1430 | 1354 | 1421 | 1185 | 1035 | 1259 | 990 | 1199 | 1106 | 1103 | 1179 | 1247 | 694 | 1178 | 13596 | | | | | | | |
| AV MAX | | 93.0 | 94.5 | 87.3 | 77.6 | 65.7 | 53.1 | 54.4 | 60.4 | 69.9 | 68.3 | 87.0 | 90.5 | 97.2 | 96.6 | 88.2 | | | | | | | | |
| AV MIN | | 65.5 | 67.1 | 61.4 | 54.0 | 49.0 | 43.7 | 40.5 | 43.5 | 47.5 | 47.3 | 57.8 | 62.1 | 69.2 | 70.1 | 65.5 | | | | | | | | |
| KERN RIVER | | | | | | | | | | | | | | | | | | | | | | | | |
| ISABELLA DAM | 79.02 | 14.23 | 14.08 | 9.59 | 6.25 | 2.67 | 1.65 | 1.86 | 2.45 | 4.48 | 3.64 | 8.15 | 9.97 | 12.77 | 11.73 | 7.48 | 73.10 | | | | | | | |
| WIND | 23502 | 2435 | 2501 | 2212 | 1917 | 1467 | 1718 | 1575 | 1302 | 2259 | 2156 | 1961 | 1999 | 1681 | 1385 | 1244 | 20664 | | | | | | | |
| AV MAX | | 86.2 | 87.5 | 81.1 | 71.0 | 58.2 | 51.3 | 51.3 | 58.2 | 63.5 | 61.4 | 78.5 | 82.6 | 89.5 | 89.1 | 81.2 | | | | | | | | |
| AV MIN | | 58.9 | 60.3 | 55.0 | 47.5 | 42.3 | 37.7 | 36.7 | 37.9 | 40.8 | 38.9 | 51.1 | 56.3 | 62.7 | 62.8 | 58.2 | | | | | | | | |
| TEHACHAPI MTN | | | | | | | | | | | | | | | | | | | | | | | | |
| CUMMINGS VALLEY 2 | 77.69 | 12.28 | 11.74 | 8.54 | 7.06 | 3.32 | 3.99 | 3.96 | 4.04 | 3.91 | 3.11 | 6.13 | 9.61 | 12.15 | 11.60 | 9.28 | 78.16 | | | | | | | |
| WIND | 28737 | 2232 | 2080 | 2209 | 2455 | 2412 | 3470 | 3080 | 2590 | 2490 | 2010 | 1679 | 2030 | 1590 | 1639 | 1860 | 27305 | | | | | | | |
| TULARE L BAS WESTSIDE | | | | | | | | | | | | | | | | | | | | | | | | |
| TAFT KTRB RADIO | 92.23 | 14.78 | 15.01 | 10.90 | 7.14 | 3.49 | 1.15 | 2.41 | 2.63 | 5.91 | 4.51 | 11.50 | 12.80 | 16.46 | 16.03 | 10.59 | 94.62 | | | | | | | |
| WIND | 15902 | 1220 | 1160 | 992 | 980 | 1010 | 1150 | 1440 | 1040 | 1930 | 1650 | 1600 | 1730 | 1210 | 1180 | 1340 | 16260 | | | | | | | |

APPENDIX B
SURFACE WATER MEASUREMENT

INTRODUCTION

This appendix presents surface water data for the 1967 water year, which is from October 1, 1966 to September 30, 1967. The data presented consist of daily mean discharge, daily mean gage height, gaging station location, diversion quantities, imported water to report area, exported water from report area, summary tables of monthly and annual unimpaired runoff from major streams, additions and discontinuations, corrections and revisions to previously published reports, and discharge measurements at miscellaneous sites.

Each station in this appendix has been assigned an identification number. The first two digits denote the drainage basin as shown below. The remaining digits further identify each station.

HYDROGRAPHIC AREA B

SAN JOAQUIN RIVER BASIN

B0 - San Joaquin Valley Floor
B3 - Stanislaus River
B4 - Tuolumne River
B5 - Merced River
B6 - Fresno-Chowchilla Rivers
B7 - San Joaquin River
B8 - San Joaquin Valley on West Side

HYDROGRAPHIC AREA C

TULARE LAKE DRAINAGE BASIN

C0 - Tulare Lake Valley Floor
C1 - Kings River
C2 - Kaweah River
C3 - Tule River
C4 - Greenhorn Mountains
C5 - Kern River
C6 - Tehachapi Mountains
C7 - Tulare Lake Basin on West Side

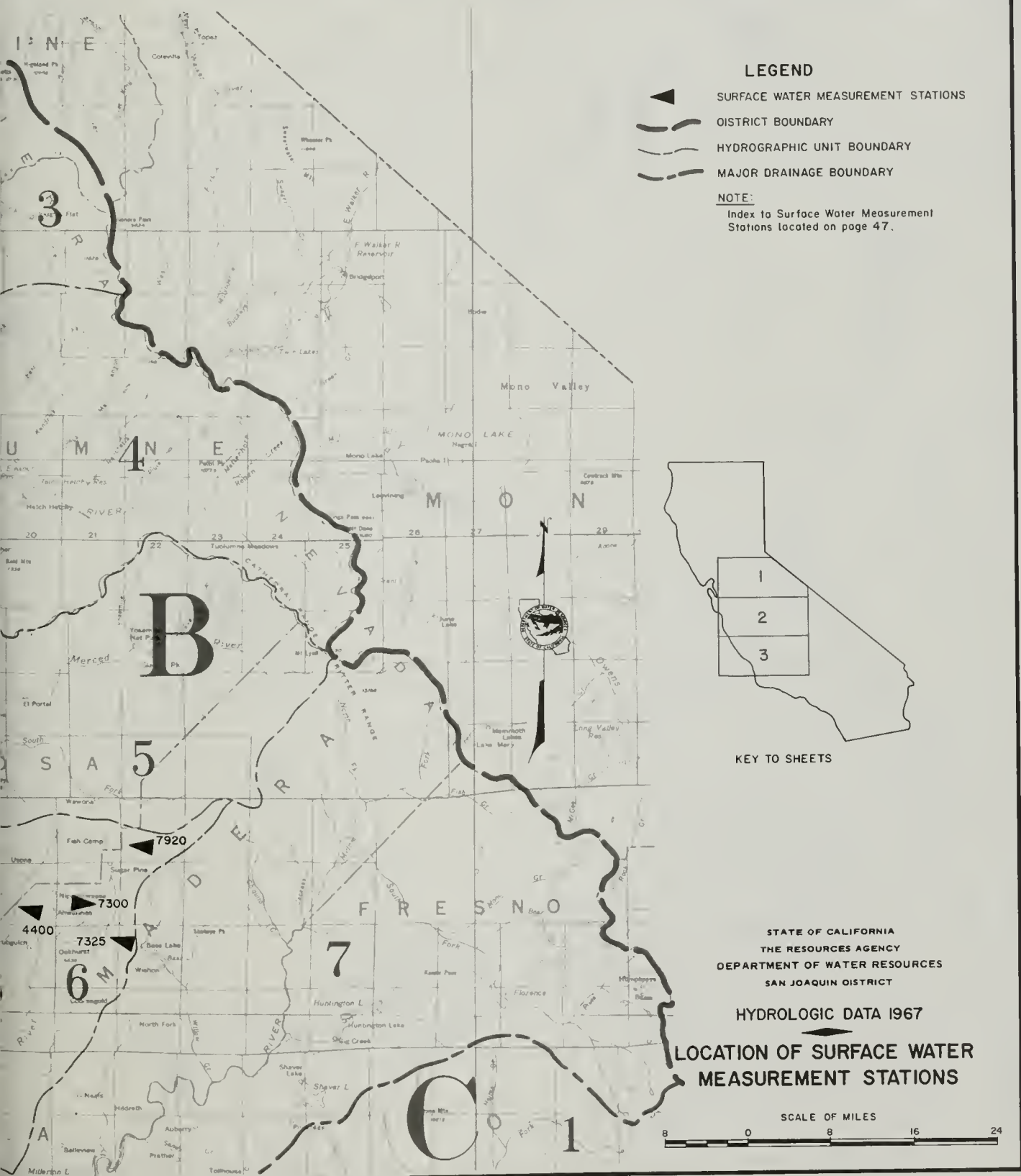
ALPHABETICAL INDEX TO TABLES

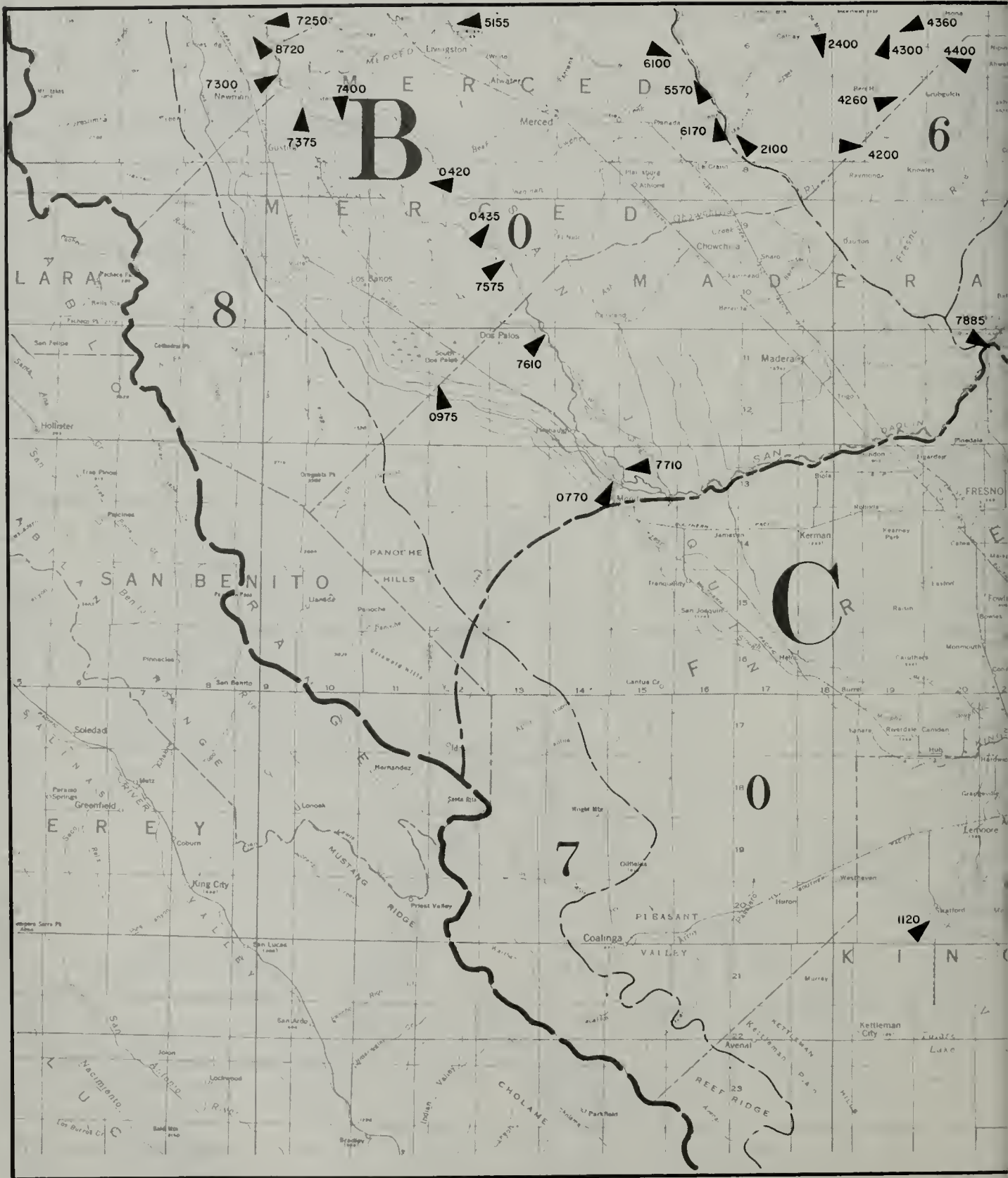
DAILY MEAN DISCHARGE, DAILY MEAN GAGE HEIGHT AND CREST STAGES

| | Page |
|---|---|
| Daily Mean Discharge | Daily Mean Gage Height and Crest Stages |
| Bean Creek near Coulterville | 84 |
| Bear Creek below Bear Reservoir | 78 |
| near Catheys Valley | 77 |
| Big Creek Diversion near Fish Camp | 63 |
| Buena Vista Creek near Taft | 114 |
| Burns Creek below Burns Reservoir | 80 |
| at Hornitos | 79 |
| Campbell-Moreland Ditch above Porterville | 105 |
| Chowchilla River near Raymond | 71 |
| East Fork near Ahwahnee | 67 |
| Middle Fork near Nipinnawasee | 69 |
| West Fork near Mariposa | 68 |
| Cross Creek below Lakeland Canal #2 | 100 |
| Delta-Mendota Canal near Tracy | 60 |
| to Mendota Pool | 61 |
| Dry Creek near Modesto | 92 |
| Eastside Bypass near El Nido | 72 |
| Fresno River, Lewis Fork near Oakhurst | 64 |
| Friant-Kern Canal Delivery to Porter Slough | 101 |
| to Tule River | 102 |
| Hubbs-Miner Ditch at Porterville | 110 |
| Kern River near Bakersfield | 113 |
| Kings River, South Fork, below Empire Weir #2 | 99 |
| Mariposa Bypass near Crane Ranch | 75 |
| Mariposa Creek near Catheys Valley | 73 |
| below Mariposa Reservoir | 74 |
| Maxwell Creek at Coulterville | 85 |
| Merced River at Cressey | 87 |
| below Snelling | 86 |
| near Livingston | 138 |
| North Fork near Coulterville | 137 |
| Miami Creek near Oakhurst | 57 |
| Orestimba Creek near Crows Landing | 83 |
| Owens Creek below Owens Reservoir | 65 |
| Panoche Drain near Dos Palos | 88 |
| Poplar Ditch near Porterville | 76 |
| Porter Slough at Porterville | 82 |
| near Porterville | 109 |
| Porter Slough Ditch at Porterville | 106 |
| Rhodes-Fine Ditch near Porterville | 57 |
| San Joaquin River at Crows Landing Bridge | 107 |
| near Dos Palos | 111 |
| at Fremont Ford Bridge | 89 |
| below Friant | 66 |
| at Grayson | 140 |
| at Hetch Hetchy Aqueduct Crossing | 59 |
| at Maze Road Bridge | 136 |
| near Mendota | 133 |
| near Newman | 57 |
| at Patterson Bridge | 57 |
| above Sand Slough | 94 |
| near Stevinson | 62 |
| near Vernalis | 146 |
| at West Stanislaus I. D. Intake | 139 |
| Stanislaus River at Koetitz Ranch | 57 |
| at Orange Blossom Bridge | 81 |
| at Ripon | 98 |
| at Riverbank | 151 |
| Striped Rock Creek near Raymond | 57 |
| Tulare Lake | 97 |
| Tule River below Porterville | 150 |
| North Fork at Springville | 95 |
| Tuolumne River at Hickman Bridge | 147 |
| at La Grange Bridge | 149 |
| at Modesto | 148 |
| at Roberts Ferry Bridge | 70 |
| at Tuolumne City | 132 |
| Vandalia Ditch near Porterville | 104 |
| Woods-Central Ditch near Porterville | 103 |
| | 91 |
| | 90 |
| | 57 |
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HYDROGRAPHIC AREA AND STREAM BASIN INDEX TO SURFACE WATER MEASUREMENT STATIONS

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| 0435 | Eastside Bypass near El Nido | 72 | |
| 0770 | Delta-Mendota Canal to Mendota Pool | 61 | |
| 0975 | Panoche Drain near Dos Palos | 82 | |
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| 3125 | at Ripon | | 149 |
| 3145 | at Riverbank | 96 | 148 |
| 3175 | at Orange Blossom Bridge | 95 | 147 |
| 4105 | Tuolumne River at Tuolumne City | 93 | 145 |
| 4120 | at Modesto | | 144 |
| 4130 | Dry Creek near Modesto | 92 | 143 |
| 4150 | Tuolumne River at Hickman Bridge | 91 | 142 |
| 4165 | at Roberts Ferry Bridge | 57 | 57 |
| 4175 | at La Grange Bridge | 90 | 141 |
| 5138 | Merced River near Livingston | | 57 |
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| 5170 | below Snelling | 86 | 137 |
| 5570 | Bear Creek below Bear Reservoir | 78 | |
| 6170 | Owens Creek below Owens Reservoir | 76 | |
| 7020 | San Joaquin River near Vernalis | 98 | 151 |
| 7040 | at Maze Road Bridge | 94 | 146 |
| 7060 | at Hetch Hetchy Aqueduct Crossing | 57 | |
| 7070 | at West Stanislaus I. D. Intake | | 57 |
| 7080 | at Grayson | 57 | 57 |
| 7200 | at Patterson Bridge | | 57 |
| 7250 | at Crows Landing Bridge | 89 | 140 |
| 7300 | near Newman | | 139 |
| 7375 | at Fremont Ford Bridge | | 136 |
| 7400 | near Stevinson | 81 | 135 |
| 7575 | above Sand Slough | | 134 |
| 7610 | near Dos Palos | 66 | |
| 7710 | near Mendota | 62 | |
| 7885 | below Friant | 59 | 133 |
| 8720 | Orestimba Creek near Crows Landing | 88 | |
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| 4200 | Chowchilla River near Raymond | 71 | |
| 4260 | Striped Rock Creek near Raymond | 70 | |
| 4300 | Chowchilla River, West Fork, near Mariposa | 68 | |
| 4360 | Middle Fork, near Nipinnawasee | 69 | |
| 4400 | East Fork, near Ahwahnee | 67 | |
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| 7325 | Fresno River, Lewis Fork near Oakhurst | 64 | |
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| B95925 | Delta-Mendota Canal near Tracy | 60 | |
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| 2602 | Cross Creek below Lakeland Canal #2 | 100 | |
| 3110 | Tulare Lake | | 132 |
| 3169 | Tule River below Porterville | 104 | |
| 3182 | Porter Slough at Porterville | 106 | |
| 3187 | near Porterville | 57 | |
| 3913 | Friant-Kern Canal Delivery to Porter Slough | 101 | |
| 3923 | to Tule River | 102 | |
| 3925 | Hubbs-Miner Ditch at Porterville | 110 | |
| 3940 | Rhodes-Fine Ditch near Porterville | 111 | |
| 3948 | Woods-Central Ditch near Porterville | 112 | |
| 3960 | Poplar Ditch near Porterville | 109 | |
| 3965 | Vandalia Ditch near Porterville | 108 | |
| 3970 | Campbell-Moreland Ditch above Porterville | 105 | |
| 3984 | Porter Slough Ditch at Porterville | 107 | |
| 5150 | Kern River near Bakersfield | 113 | |
| 7120 | Buena Vista Creek near Taft | 114 | |
| TULE RIVER | | | |
| C32100 | Tule River, North Fork, at Springville | 103 | |





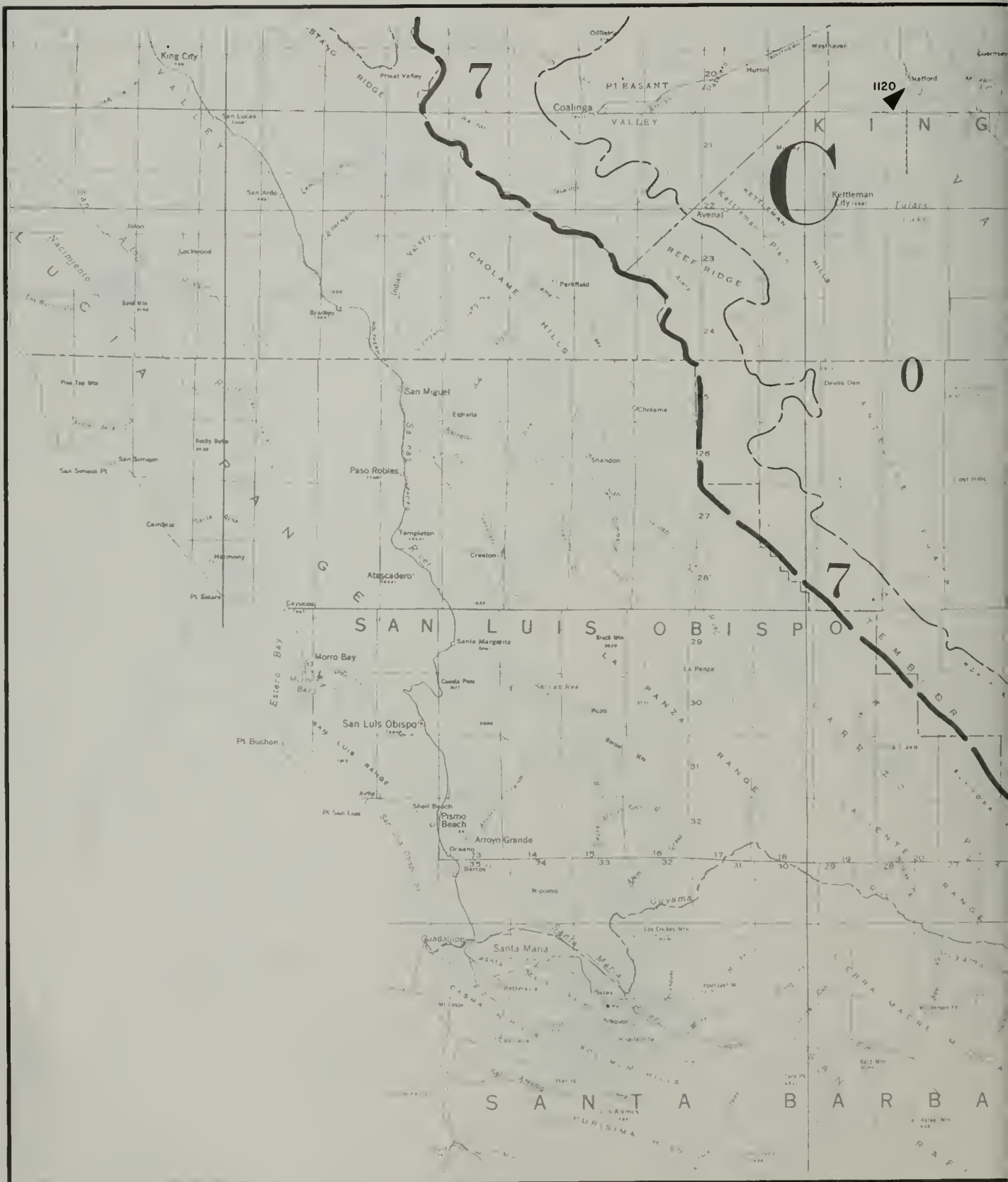




TABLE B-1

ANNUAL UNIMPAIRED RUNOFF

Unimpaired runoff is defined as the flow that occurs naturally at a point in a stream if there were: (1) no upstream controls such as dams or reservoirs; (2) no artificial diversions or accretions; and, (3) no change in ground water storage resulting from development. The computed natural or unimpaired runoff values are considered to be the flows that would occur if no impairments were upstream from the measurement points.

The average unimpaired runoff is in thousands of acre-feet and was computed from the 50-year period October 1915 through September 1965.

TABLE B-1
ANNUAL UNIMPAIRED RUNOFF
In percent of average

| Water Year | Stanislaus River below Melones P. H. | Tuolumne River near La Grange | Merced River at Exchequer | San Joaquin River below Friant | San Joaquin River near Vernalis (b) | Kings River Inflow to Pine Flat | Kaweah River Inflow to Terminus | Tule River Inflow to Success | Kern River Inflow to Isabella |
|---------------------------|--------------------------------------|-------------------------------|---------------------------|--------------------------------|-------------------------------------|---------------------------------|---------------------------------|------------------------------|-------------------------------|
| Average Annual Runoff (a) | 1057 | 1741 | 897 | 1617 | 5312 | 1530 | 383 | 124 | 604 |
| 1926-27 | 129 | 118 | 121 | 124 | 122 | 130 | 126 | | |
| 1927-28 | 90 | 88 | 82 | 71 | 82 | 63 | 53 | | |
| 1928-29 | 49 | 56 | 54 | 53 | 54 | 56 | 58 | | |
| 1929-30 | 69 | 66 | 57 | 53 | 61 | 56 | 57 | | 55 |
| 1930-31 | 30 | 35 | 29 | 30 | 31 | 30 | 30 | 20 | 31 |
| 1931-32 | 128 | 121 | 124 | 127 | 125 | 136 | 136 | 112 | 115 |
| 1932-33 | 58 | 64 | 57 | 69 | 63 | 77 | 74 | 65 | 71 |
| 1933-34 | 40 | 47 | 40 | 43 | 43 | 43 | 34 | 16 | 38 |
| 1934-35 | 115 | 121 | 131 | 119 | 121 | 106 | 93 | 72 | 76 |
| 1935-36 | 125 | 125 | 128 | 115 | 122 | 123 | 127 | 138 | 124 |
| 1936-37 | 105 | 115 | 135 | 137 | 123 | 153 | 177 | 247 | 183 |
| 1937-38 | 193 | 197 | 232 | 228 | 212 | 214 | 227 | 287 | 213 |
| 1938-39 | 50 | 57 | 53 | 57 | 55 | 64 | 65 | 67 | 75 |
| 1939-40 | 133 | 128 | 122 | 116 | 124 | 117 | 134 | 170 | 115 |
| 1940-41 | 127 | 144 | 162 | 164 | 150 | 166 | 167 | 191 | 206 |
| 1941-42 | 141 | 136 | 143 | 139 | 139 | 131 | 128 | 110 | 124 |
| 1942-43 | 148 | 136 | 144 | 127 | 137 | 132 | 175 | 295 | 166 |
| 1943-44 | 64 | 75 | 76 | 78 | 74 | 76 | 82 | 83 | 96 |
| 1944-45 | 121 | 121 | 122 | 132 | 124 | 135 | 144 | 164 | 134 |
| 1945-46 | 111 | 108 | 105 | 107 | 108 | 105 | 93 | 76 | 107 |
| 1946-47 | 60 | 63 | 63 | 70 | 64 | 72 | 69 | 42 | 70 |
| 1947-48 | 85 | 81 | 77 | 75 | 79 | 65 | 68 | 52 | 55 |
| 1948-49 | 71 | 72 | 71 | 72 | 72 | 63 | 57 | 39 | 49 |
| 1949-50 | 102 | 89 | 80 | 81 | 88 | 84 | 79 | 50 | 72 |
| 1950-51 | 160 | 143 | 137 | 115 | 137 | 105 | 110 | 125 | 88 |
| 1951-52 | 182 | 172 | 174 | 176 | 175 | 187 | 215 | 259 | 231 |
| 1952-53 | 92 | 88 | 70 | 76 | 82 | 76 | 80 | 80 | 90 |
| 1953-54 | 84 | 83 | 74 | 81 | 81 | 85 | 80 | 72 | 83 |
| 1954-55 | 64 | 65 | 60 | 72 | 66 | 72 | 72 | 52 | 59 |
| 1955-56 | 178 | 182 | 187 | 183 | 182 | 166 | 189 | 169 | 144 |
| 1956-57 | 85 | 82 | 72 | 82 | 81 | 81 | 77 | 53 | 72 |
| 1957-58 | 159 | 152 | 157 | 163 | 157 | 161 | 167 | 180 | 174 |
| 1958-59 | 55 | 57 | 51 | 59 | 56 | 53 | 40 | 26 | 45 |
| 1959-60 | 56 | 61 | 54 | 51 | 56 | 47 | 47 | 39 | 46 |
| 1960-61 | 38 | 42 | 35 | 40 | 40 | 37 | 30 | 16 | 29 |
| 1961-62 | 94 | 102 | 103 | 119 | 106 | 120 | 104 | 70 | 108 |
| 1962-63 | 120 | 118 | 110 | 120 | 118 | 122 | 130 | 96 | 122 |
| 1963-64 | 62 | 65 | 50 | 57 | 60 | 56 | 61 | 49 | 52 |
| 1964-65 | 168 | 159 | 149 | 141 | 153 | 126 | 127 | 110 | 114 |
| 1965-66 | 69 | 76 | 71 | 80 | 75 | 78 | 64 | 37 | 64 |
| 1966-67 | 179 | 180 | 188 | 200 | 187 | 211 | 267 | 299 | 258 |

(a) Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1915 through September 1965.

(b) Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from valley floor.

TABLE B-2
MONTHLY UNIMPAIRED RUNOFF
In percent of average
and in thousands of acre-feet (a)

| Month | | Stanislaus River below Melones P. H. | Tuolumne River below La Grange | Merced River at Exchequer | San Joaquin River below Friant | San Joaquin River near Vernalis (b) | Kings River Inflow to Pine Flat | Kaweah River Inflow to Terminus | Tule River Inflow to Success | Kern River Inflow to Isabella |
|-----------------------|---------|--|---|------------------------------------|--|---|---|--|--|---|
| October | Percent | 26 | 64 | 69 | 35 | 47 | 38 | 35 | 25 | 66 |
| | Average | 8 | 15 | 7 | 18 | 49 | 18 | 4 | 1 | 14 |
| November | Percent | 115 | 154 | 73 | 102 | 119 | 103 | 122 | 51 | 80 |
| | Average | 23 | 39 | 18 | 28 | 107 | 26 | 8 | 4 | 17 |
| December | Percent | 247 | 259 | 265 | 372 | 285 | 616 | 1265 | 1710 | 1303 |
| | Average | 48 | 84 | 43 | 57 | 233 | 48 | 17 | 8 | 23 |
| January | Percent | 145 | 139 | 117 | 154 | 140 | 181 | 186 | 145 | 240 |
| | Average | 54 | 90 | 48 | 60 | 251 | 52 | 18 | 12 | 24 |
| February | Percent | 94 | 94 | 69 | 109 | 93 | 123 | 134 | 91 | 192 |
| | Average | 82 | 137 | 79 | 92 | 390 | 79 | 28 | 18 | 32 |
| March | Percent | 172 | 181 | 182 | 190 | 182 | 189 | 178 | 102 | 181 |
| | Average | 113 | 171 | 92 | 128 | 503 | 106 | 38 | 24 | 45 |
| April | Percent | 92 | 103 | 143 | 105 | 108 | 97 | 148 | 213 | 109 |
| | Average | 199 | 283 | 148 | 237 | 867 | 215 | 64 | 24 | 86 |
| May | Percent | 171 | 148 | 152 | 157 | 156 | 143 | 184 | 312 | 186 |
| | Average | 287 | 440 | 239 | 420 | 1386 | 421 | 101 | 21 | 142 |
| June | Percent | 262 | 210 | 253 | 224 | 230 | 225 | 258 | 373 | 244 |
| | Average | 177 | 352 | 168 | 368 | 1064 | 368 | 74 | 9 | 123 |
| July | Percent | 422 | 478 | 526 | 403 | 444 | 463 | 613 | 690 | 397 |
| | Average | 48 | 104 | 44 | 148 | 344 | 138 | 23 | 2 | 59 |
| August | Percent | 281 | 421 | 409 | 356 | 366 | 393 | 605 | 867 | 367 |
| | Average | 12 | 18 | 9 | 43 | 83 | 40 | 6 | 1 | 24 |
| September | Percent | 276 | 271 | 311 | 376 | 329 | 399 | 493 | 950 | 373 |
| | Average | 6 | 8 | 4 | 18 | 36 | 17 | 3 | 0 | 14 |
| 1966-67 Water Year | Percent | 179 | 180 | 188 | 200 | 187 | 211 | 267 | 299 | 258 |
| | Average | 1057 | 1741 | 897 | 1617 | 5312 | 1530 | 383 | 124 | 604 |

- (a) Percent figures are preliminary values and subject to revision. Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1915 through September 1965.
- (b) Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from the valley floor.

TABLE B-3

GAGING STATION
ADDITIONS AND DISCONTINUATIONS

| ADDITIONAL STATIONS | | <u>Date</u> |
|-----------------------|--|-------------|
| None | | |
| DISCONTINUED STATIONS | | |
| B05138 | Merced River near Livingston | 1-24-66 |
| B07080 | San Joaquin River at Grayson | 3-16-66 |
| B07060 | San Joaquin River at Hetch Hetchy Aqueduct Crossing | 3-17-66 |
| B07200 | San Joaquin River at Patterson Bridge | 10- 1-66 |
| B07070 | San Joaquin River at West Stanislaus I. D. Intake | 5- 5-66 |
| B04165 | Tuolumne River at Roberts Ferry Bridge | 2-18-66 |
| C03187 | Porter Slough near Porterville | 10- 1-66 |

TABLE B-4

DAILY MEAN DISCHARGE

The streamflow table is arranged, for each stream or stream system, in downstream order. Stations on a tributary entering between two main stem stations are listed between those stations, and in downstream order on that tributary. A stream gaging station is named after the stream and the nearest post office (Merced River at Cressey) or well-known landmark (San Joaquin River at Fremont Ford Bridge).

The discharges estimated for periods of no record or invalid record, are shown with the letter "E". Also, qualified by the letter "E" are discharges obtained from extended ratings which exceed 140 percent of the highest measured flow-rate on which the rating curve was based.

The discharge figures in this table have been rounded off as follows:

1. Daily flows - second-feet

| | | | |
|---------|-----------|---------|----------|
| 0.0 | - 9.9 | nearest | Tenth |
| 10 | - 999 | " | Unit |
| 1,000 | - 9,999 | " | Ten |
| 10,000 | - 99,999 | " | Hundred |
| 100,000 | - 999,999 | " | Thousand |

2. Monthly means - second-feet

| | | | |
|---------|-----------|---------|---------|
| 0.0 | - 99.9 | nearest | Tenth |
| 100 | - 9,999 | " | Unit |
| 10,000 | - 99,999 | " | Ten |
| 100,000 | - 999,999 | " | Hundred |

3. Yearly totals - acre-feet

| | | | |
|-----------|-------------|---------|----------|
| 0.0 | - 9,999 | nearest | Unit |
| 10,000 | - 99,999 | " | Ten |
| 100,000 | - 999,999 | " | Hundred |
| 1,000,000 | - 9,999,999 | " | Thousand |

Those streamflow data received from cooperating agencies are published as received and do not necessarily adhere to the above criteria.

TABLE B-4

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|--------------------------------|
| 1967 | B07885 | SAN JOAQUIN RIVER BELOW FRIANT |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|--------|------|--------|--------|--------|-------|------|-------|---------|
| 1 | 95 | 86 | 49 | 48 | 5130 * | 37 | 73 | 8170 | 8100 | 2700 | 144 | 122 | 1 |
| 2 | 95 | 86 | 52 | 48 | 5090 | 37 | 64 | 8160 | 8100 | 2570 | 116 | 122 | 2 |
| 3 | 95 | 87 | 51 | 49 | 5070 | 37 | 58 | 8100 | 8100 | 2740 | 112 | 122 | 3 |
| 4 | 95 | 87 | 51 | 49 | 4750 | 37 | 61 | 8140 | 8120 | 3740 | 133 | 122 | 4 |
| 5 | 93 | 87 | 53 | 49 | 3750 * | 36 | 101 | 8170 | 8140 | 4220 | 131 | 122 * | 5 |
| 6 | 93 | 87 | 61 | 49 | 2780 * | 36 * | 68 | 8140 | 8100 | 4220 | 131 | 120 | 6 |
| 7 | 91 | 89 | 49 | 49 | 1770 * | 43 | 150 | 8160 | 8120 | 4230 | 129 | 120 | 7 |
| 8 | 91 | 82 | 35 | 49 | 502 * | 44 | 112 | 8120 | 8170 | 4020 | 129 | 120 | 8 |
| 9 | 91 | 80 | 31 | 49 | 45 | 43 | 91 | 8100 | 7990 | 3240 | 129 | 120 | 9 |
| 10 | 91 | 80 | 30 | 49 | 44 | 53 | 93 | 8080 | 7630 | 2040 | 129 | 120 | 10 |
| 11 | 91 | 80 | 30 | 49 | 43 | 69 | 1290 | 8120 | 7330 | 780 | 131 | 120 | 11 |
| 12 | 91 | 80 | 30 | 49 | 42 | 89 | 2700 * | 8140 | 7170 | 188 | 135 | 118 | 12 |
| 13 | 89 | 80 | 30 | 49 | 66 | 74 | 2700 * | 8120 | 6850 | 188 | 133 | 120 | 13 |
| 14 | 93 | 73 * | 30 | 49 | 152 | 71 | 3350 * | 8120 | 6660 | 188 | 133 | 120 | 14 |
| 15 | 99 | 68 | 30 | 51 | 152 | 55 | 3500 | 8160 | 6330 | 188 | 133 | 120 | 15 |
| 16 | 99 | 69 | 29 | 51 | 89 | 74 | 3840 | 8120 | 6120 | 188 | 131 | 122 | 16 |
| 17 | 99 | 69 | 29 | 52 | 38 | 68 | 4070 * | 8120 | 5800 | 188 | 131 | 122 | 17 |
| 18 | 99 | 69 | 29 | 51 | 37 | 55 | 4930 | 8140 | 5660 | 199 | 129 | 118 | 18 |
| 19 | 99 | 61 | 29 | 51 | 36 | 52 | 6380 | 8120 | 5310 | 178 | 131 | 103 | 19 |
| 20 | 99 | 52 | 29 | 52 | 36 | 51 | 8010 * | 8160 | 5130 | 164 | 131 | 103 | 20 |
| 21 | 93 | 51 | 29 | 53 | 36 | 48 | 7980 | 8160 | 4790 | 204 | 129 | 103 | 21 |
| 22 | 86 | 49 | 49 | 64 | 36 | 46 | 7630 | 8160 | 4640 | 181 | 126 | 103 | 22 |
| 23 | 86 | 48 | 48 | 64 | 36 * | 46 | 7810 | 8160 | 4290 | 230 | 126 | 103 | 23 |
| 24 | 86 | 48 | 49 | 66 | 36 | 46 | 7650 | 8120 | 3740 | 241 | 126 | 101 | 24 |
| 25 | 86 | 48 | 49 | 71 | 68 | 45 | 7810 | 8100 | 3180 | 186 | 126 | 101 | 25 |
| 26 | 84 * | 48 | 49 | 44 | 49 | 44 | 7980 | 8100 | 3030 * | 191 * | 126 | 101 | 26 |
| 27 | 84 | 48 | 49 | 41 * | 42 | 44 | 8070 | 8100 | 3050 | 188 | 124 | 101 | 27 |
| 28 | 84 * | 48 | 49 | 40 | 38 | 45 | 8080 | 8100 | 3080 | 171 | 124 | 97 | 28 |
| 29 | 84 | 48 | 49 * | 53 | | 53 | 8120 * | 8120 * | 3050 | 155 | 124 | 91 * | 29 |
| 30 | 84 | 48 * | 49 | 116 | | 46 * | 8100 | 8100 | 3040 | 155 | 124 | 91 | 30 |
| 31 | 84 | | 49 | 3290 | | 74 | | 8100 | | 155 | 124 | | 31 |
| MEAN | 91.3 | 67.9 | 40.8 | 158 | 1070 | 51.5 | 4029 | 2128 | 5961 | 1233 | 128 | 112 | MEAN |
| MAX. | 99 | 89 | 61 | 3290 | 5130 | 89 | 8120 | 8170 | 8170 | 4230 | 144 | 122 | MAX. |
| MIN. | 84 | 48 | 29 | 40 | 36 | 36 | 58 | 8080 | 3030 | 155 | 112 | 91 | MIN. |
| AC. FT. | 5610 | 4040 | 2510 | 9710 | 59430 | 3170 | 239700 | 499800 | 354700 | 75820 | 7890 | 6680 | AC. FT. |

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 H - E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|----|-----|------|-----------|----------|----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO | DAY | TIME | DISCHARGE | GAGE HT. | MO | DAY | TIME | ACRE FEET |
| 1753 | 8230 | 9.66 | 5 | 23 | 1100 | 29 | 1.80 | 12 | 16 | | 1269000 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | | DATUM OF GAGE | | |
|---|-----------|---------------------------------|-------------------|----------|----------|------------------|---------------------|--|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | | PERIOD | | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | | FROM | TO | |
| 36 59 04 | 119 43 24 | SW 7 11S 21E | 77,200 | 23.8 | 12-11-37 | OCT 07-DATE | | | 1938 | -- | 294.00 USGS |
| Station located 2 miles downstream from Friant Dam and 1.5 miles downstream from Cottonwood Creek. Flow regulated by Millerton Lake beginning in 1944, and by other upstream reservoirs. Records furnished by U. S. Geological Survey. Drainage area is 1,675 square miles. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|--------------------------------|
| 1967 | B95925 | DELTA-MENDOTA CANAL NEAR TRACY |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|---------|
| 1 | 2022 | 1028 | 538 | 176 | 324 | 1203 | 1732 | 1086 | 1806 | 1295 | 4174 | 2753 | 1 |
| 2 | 2050 | 1158 | 539 | 176 | 215 | 1340 | 1731 | 1159 | 1699 | 1358 | 4245 | 2518 | 2 |
| 3 | 2004 | 1067 | 613 | 861 | 178 | 1768 | 1688 | 1196 | 1756 | 1379 | 4475 | 2514 | 3 |
| 4 | 1773 | 991 | 611 | 858 | 178 | 2001 | 1173 | 1197 | 2485 | 1378 | 4471 | 2520 | 4 |
| 5 | 1881 | 963 | 358 | 865 | 177 | 2003 | 1549 | 1197 | 1688 | 1380 | 4302 | 2526 | 5 |
| 6 | 2027 | 1030 | 251 | 864 | 177 | 2127 | 1486 | 1256 | 1447 | 1363 | 4552 | 2520 | 6 |
| 7 | 2025 | 1028 | 215 | 865 | 213 | 2269 | 1274 | 1277 | 1615 | 1363 | 4433 | 2529 | 7 |
| 8 | 2019 | 865 | 250 | 865 | 213 | 2208 | 1345 | 1280 | 1691 | 1286 | 4448 | 2527 | 8 |
| 9 | 2020 | 862 | 213 | 790 | 213 | 2381 | 1277 | 1421 | 1728 | 1286 | 4447 | 2357 | 9 |
| 10 | 2022 | 865 | 213 | 788 | 215 | 2526 | 1216 | 1354 | 1808 | 1285 | 4411 | 2261 | 10 |
| 11 | 1923 | 866 | 213 | 866 | 215 | 2260 | 1146 | 1425 | 2488 | 1281 | 4435 | 2287 | 11 |
| 12 | 1917 | 867 | 213 | 867 | 611 | 2170 | 1425 | 1431 | 1814 | 1285 | 4428 | 2859 | 12 |
| 13 | 1874 | 867 | 249 | 865 | 614 | 1679 | 975 | 1741 | 1776 | 2919 | 4465 | 2868 | 13 |
| 14 | 1903 | 932 | 322 | 864 | 685 | 1266 | 722 | 1738 | 2012 | 3148 | 4283 | 2798 | 14 |
| 15 | 1905 | 1044 | 357 | 863 | 865 | 1332 | 723 | 1737 | 2025 | 3083 | 4159 | 2833 | 15 |
| 16 | 1908 | 1180 | 356 | 862 | 931 | 1207 | 652 | 1836 | 2012 | 2843 | 4165 | 2851 | 16 |
| 17 | 1907 | 1098 | 681 | 922 | 994 | 1204 | 866 | 1974 | 2108 | 2783 | 4159 | 2740 | 17 |
| 18 | 1908 | 926 | 680 | 924 | 995 | 1346 | 867 | 2541 | 2896 | 2545 | 4213 | 2200 | 18 |
| 19 | 1908 | 928 | 677 | 1024 | 998 | 1348 | 871 | 2543 | 2115 | 2109 | 4375 | 2123 | 19 |
| 20 | 1912 | 964 | 675 | 1029 | 996 | 1288 | 870 | 2548 | 2207 | 2026 | 4350 | 1940 | 20 |
| 21 | 1912 | 896 | 599 | 971 | 1095 | 1860 | 871 | 2555 | 2218 | 2805 | 4349 | 2032 | 21 |
| 22 | 1835 | 859 | 462 | 873 | 1163 | 2233 | 944 | 2614 | 2372 | 3333 | 4281 | 2096 | 22 |
| 23 | 1882 | 862 | 68 | 581 | 1163 | 2550 | 1525 | 2618 | 2297 | 3330 | 4150 | 2206 | 23 |
| 24 | 1720 | 864 | 69 | 505 | 1165 | 2570 | 946 | 2565 | 2259 | 4026 | 4067 | 2277 | 24 |
| 25 | 1426 | 862 | 69 | 324 | 1165 | 2600 | 1196 | 2049 | 2845 | 4034 | 3902 | 2210 | 25 |
| 26 | 1261 | 864 | 70 | 360 | 1163 | 2600 | 1179 | 1817 | 2257 | 4027 | 3644 | 2533 | 26 |
| 27 | 1227 | 865 | 716 | 650 | 1160 | 2568 | 1112 | 2040 | 2253 | 4058 | 3624 | 2779 | 27 |
| 28 | 1227 | 866 | 715 | 760 | 1095 | 2032 | 1042 | 2283 | 2215 | 4051 | 3630 | 2850 | 28 |
| 29 | 1225 | 682 | 826 | 761 | | 2062 | 947 | 2102 | 2124 | 4158 | 3553 | 2851 | 29 |
| 30 | 1239 a | 573 | 867 | 471 | | 2138 | 1060 b | 2204 | 1622 | 4166 | 3332 | 2812 | 30 |
| 31 | 1191 | | 464 | 325 | | 1941 | | 1870 | | 4169 | 3369 | | 31 |
| MEAN | 1776 | 924 | 424 | 735 | 685 | 1938 | 1147 | 1828 | 2055 | 2566 | 4158 | 2506 | MEAN |
| MAX. | 2050 | 1180 | 867 | 1029 | 1165 | 2600 | 1732 | 2618 | 2896 | 4169 | 4552 | 2868 | MAX. |
| MIN. | 1191 | 573 | 68 | 176 | 177 | 1203 | 652 | 1086 | 1447 | 1281 | 3332 | 1940 | MIN. |
| AC. FT. | 109298 | 54986 | 26081 | 45174 | 38035 | 119167 | 68164 | 112372 | 122257 | 157789 | 255652 | 149098 | AC. FT. |

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 H - E AND *
 a - 25-HOUR DAY
 b - 23-HOUR DAY

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 1738 | | | | | | | | | | | 1258073 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|---------------------------------|-------------------|----------|------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 47 45 | 121 35 05 | SW 31 1S 4E | | | | JUN 51-DATE | | 1951 | | 0.00 | USGS |
| Station located at Tracy Pumping Plant at intake to canal, 6 miles southeast of Byron, 10 miles northwest of Tracy. Discharge computed from records of operation of pumps. Water is diverted from Sacramento-San Joaquin Delta by way of Old River and a dredged channel to the Tracy Pumping Plant where it is lifted about 200 feet into canal. Records furnished by U. S. Bureau of Reclamation. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-------------------------------------|
| 1967 | B00770 | DELTA-MENDOTA CANAL TO MENDOTA POOL |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|-------|-------|------|-------|-------|-------|-------|-----|------|-------|--------|-------|---------|
| 1 | 1459 | 600 | 209 | 0 | 0 | 943 | 1231 | 0 | 0 | 0 | 2545 | 2193 | 1 |
| 2 | 1460 | 550 | 196 | 0 | 0 | 1052 | 1231 | 0 | 0 | 0 | 2460 | 1740 | 2 |
| 3 | 1400 | 508 | 195 | 0 | 0 | 1308 | 1241 | 0 | 13 | 0 | 2586 | 1740 | 3 |
| 4 | 1435 | 509 | 194 | 0 | 0 | 1510 | 873 | 0 | 15 | 0 | 2639 | 1737 | 4 |
| 5 | 1355 | 509 | 0 | 0 | 0 | 1510 | 478 | 0 | 12 | 0 | 2639 | 1781 | 5 |
| 6 | 1353 | 558 | 0 | 0 | 0 | 1514 | 513 | 0 | 12 | 0 | 2639 | 1779 | 6 |
| 7 | 1397 | 563 | 0 | 0 | 0 | 1692 | 582 | 0 | 12 | 0 | 2630 | 1790 | 7 |
| 8 | 1397 | 556 | 0 | 0 | 0 | 1693 | 686 | 0 | 12 | 0 | 2522 | 1738 | 8 |
| 9 | 1398 | 520 | 0 | 0 | 0 | 1693 | 688 | 0 | 12 | 0 | 2554 | 1590 | 9 |
| 10 | 1356 | 427 | 0 | 0 | 0 | 1751 | 688 | 0 | 12 | 0 | 2311 | 1323 | 10 |
| 11 | 1340 | 427 | 0 | 0 | 0 | 1550 | 545 | 0 | 12 | 0 | 2689 | 1418 | 11 |
| 12 | 1252 | 427 | 0 | 0 | 428 | 1550 | 742 | 0 | 12 | 0 | 2894 | 1348 | 12 |
| 13 | 1304 | 427 | 0 | 0 | 408 | 1082 | 283 | 0 | 12 | 1493 | 2999 | 1364 | 13 |
| 14 | 1317 | 417 | 0 | 0 | 436 | 924 | 0 | 0 | 12 | 1767 | 2846 | 1391 | 14 |
| 15 | 1318 | 427 | 0 | 0 | 581 | 786 | 0 | 0 | 12 | 1683 | 2758 | 1423 | 15 |
| 16 | 1318 | 455 | 0 | 0 | 607 | 839 | 0 | 0 | 12 | 1300 | 2533 | 1481 | 16 |
| 17 | 1350 | 462 | 0 | 452 | 668 | 840 | 0 | 0 | 12 | 1283 | 2624 | 1480 | 17 |
| 18 | 1364 | 448 | 0 | 700 | 668 | 1042 | 0 | 0 | 12 | 900 | 2624 | 1430 | 18 |
| 19 | 1372 | 448 | 0 | 730 | 669 | 1043 | 0 | 0 | 12 | 465 | 2719 | 1466 | 19 |
| 20 | 1320 | 449 | 0 | 724 | 684 | 1104 | 0 | 0 | 12 | 356 | 2721 | 1455 | 20 |
| 21 | 1321 | 443 | 0 | 722 | 891 | 1381 | 0 | 0 | 12 | 1028 | 2682 | 1390 | 21 |
| 22 | 1320 | 415 | 0 | 719 | 891 | 1694 | 0 | 0 | 12 | 1630 | 2847 | 1418 | 22 |
| 23 | 1320 | 389 | 0 | 483 | 932 | 1812 | 0 | 0 | 12 | 1851 | 2665 | 1640 | 23 |
| 24 | 1271 | 389 | 0 | 352 | 925 | 1900 | 0 | 0 | 12 | 2271 | 2831 | 1640 | 24 |
| 25 | 960 | 354 | 0 | 242 | 924 | 1901 | 0 | 15 | 12 | 2371 | 2394 | 1661 | 25 |
| 26 | 885 | 354 | 0 | 233 | 924 | 1901 | 0 | 13 | 12 | 2230 | 2394 | 1773 | 26 |
| 27 | 922 | 354 | 0 | 565 | 917 | 1990 | 0 | 11 | 27 | 2270 | 2393 | 1782 | 27 |
| 28 | 890 | 343 | 0 | 566 | 927 | 1762 | 0 | 9 | 40 | 2288 | 2361 | 1848 | 28 |
| 29 | 891 | a | 0 | 566 | | 1482 | 0 | 0 | 40 | 2288 | 2253 | 1820 | 29 |
| 30 | 891 | 274 | 0 | 324 | | 1524 | 0 | 0 | 12 | 2289 | 2151 | 1985 | 30 |
| 31 | 867 | | 0 | 105 | | 1520 | | 0 | | 2356 | 2310 | | 31 |
| MEAN | 1252 | 444 | 25.6 | 241 | 446 | 1429 | 326 | 1.5 | 13.7 | 1036 | 2588 | 1621 | MEAN |
| MAX. | 1460 | 600 | 209 | 730 | 932 | 1990 | 1241 | 15 | 40 | 2371 | 2999 | 2193 | MAX. |
| MIN. | 867 | 274 | 0 | 0 | 0 | 786 | 0 | 0 | 0 | 0 | 2151 | 1323 | MIN. |
| AC. FT. | 77038 | 26440 | 1575 | 14842 | 24754 | 87854 | 19400 | 95 | 815 | 63707 | 159100 | 96444 | AC. FT. |

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

- E AND *

a - 25-hour day

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 790 | | | | | | | | | | | 572064 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | | DATUM OF GAGE | | |
|---|-----------|---------------------------------|-------------------|----------|------|------------------|---------------------|--------|--------------------|---------------|--|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.O.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | ZERO ON GAGE | REF. DATUM | |
| | | | CF5 | GAGE HT. | DATE | | | | | | |
| 36 47 11 | 120 23 05 | NW 19 13S 15E | | | | | | | | | |
| Station located approximately 2 miles north of Mendota, where Delta-Mendota Canal crosses the Outside Canal, which is 0.8 mile northwest of Bass Avenue crossing (check No. 21). Flow measured by three Sparling meters located at siphon outlet. Records furnished by U. S. Bureau of Reclamation. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|--------------------------------|
| 1967 | B07710 | SAN JOAQUIN RIVER NEAR MENDOTA |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|--------|-------|-------|--------|--------|-------|-------|-------|---------|
| 1 | 205 | 68 | 86 | 0 | 181 | 214 | 272 | 4378 | 3195 | 1866 | 423 | 371 | 1 |
| 2 | 205 | 61 | 82 | 0 | 72 | 193 | 268 | 4338 | 3270 | 2335 | 422 | 381 | 2 |
| 3 | 175 | 59 | 80 | 0 | 430 | 173 | 221 | 4315 | 3375 | 2382 | 429 | 378 | 3 |
| 4 | 132 | 56 | 78 | 0 | 1034 | 175 | 342 | 4090 | 3354 | 2498 | 427 | 374 | 4 |
| 5 | 103 | 55 | 88 | 0 | 1332 | 177 | 276 | 4068 | 3291 | 2567 | 411 | 370 | 5 |
| 6 | 992 | 52 | 111 | 0 | 1282 * | 200 | 191 | 3872 | 3361 | 2596 | 414 | 356 | 6 |
| 7 | 76 | 47 | 409 | 0 | 656 | 231 | 186 | 3711 | 3459 | 2521 | 407 | 324 | 7 |
| 8 | 84 | 44 | 567 | 12 | 318 | 236 | 182 | 3578 | 3515 | 2329 | 398 | 300 | 8 |
| 9 | 98 | 46 | 328 | 20 | 268 | 226 | 180 | 3238 | 2977 | 2184 | 405 | 294 | 9 |
| 10 | 98 | 47 | 426 | 20 | 336 | 217 | 186 | 3081 | 2631 | 1772 | 418 | 292 | 10 |
| 11 | 106 | 60 | 348 | 20 | 258 | 200 | 208 | 3026 | 2579 | 1391 | 431 | 292 | 11 |
| 12 | 118 | 59 | 244 | 22 | 180 | 158 | 352 | 2838 | 2515 | 1161 | 445 | 294 | 12 |
| 13 | 120 | 59 | 154 | 23 | 175 | 140 | 694 | 2420 | 2246 | 961 | 460 | 306 | 13 |
| 14 | 120 | 56 | 95 | 24 | 171 | 142 | 639 | 2190 | 2005 | 1025 | 459 | 304 | 14 |
| 15 | 118 | 54 | 61 | 24 | 166 | 150 | 806 | 2101 | 1730 | 1334 | 454 | 286 | 15 |
| 16 | 118 | 53 | 54 | 22 | 152 | 158 | 1004 | 1847 | 1422 | 1052 | 462 | 280 | 16 |
| 17 | 118 | 51 | 32 | 26 | 144 | 152 | 1198 | 2161 | 1330 | 851 | 474 | 272 | 17 |
| 18 | 146 | 55 | 27 | 54 | 162 | 146 | 906 | 2312 | 1202 | 1029 | 493 | 270 | 18 |
| 19 | 169 | 92 | 26 | 67 | 182 | 144 | 884 | 2358 | 1182 | 1097 | 488 | 266 | 19 |
| 20 | 148 | 90 | 24 | 76 | 180 | 173 | 983 | 2376 | 1520 | 695 | 471 | 282 | 20 |
| 21 | 131 | 90 | 19 | 68 | 164 | 214 | 2218 | 2358 | 1916 | 650 | 474 | 296 | 21 |
| 22 | 129 | 90 | 18 | 59 | 152 | 246 | 2938 | 2364 | 1967 | 602 | 478 | 322 | 22 |
| 23 | 121 | 90 | 17 | 66 | 148 | 271 | 3900 | 2674 | 1920 | 587 | 465 | 334 | 23 |
| 24 | 108 | 90 | 15 | 68 | 140 | 301 | 4135 | 2745 | 1911 | 538 * | 436 | 343 | 24 |
| 25 | 116 | 92 | 14 | 61 | 129 | 301 | 4142 | 2758 | 1901 | 493 | 411 | 324 | 25 |
| 26 | 144 | 92 | 14 | 59 | 120 | 301 | 4090 | 2758 | 1878 | 474 | 411 | 310 | 26 |
| 27 | 160 | 92 | 16 | 56 | 120 | 301 | 4158 | 2794 | 1845 | 469 | 403 | 314 | 27 |
| 28 | 158 | 90 | 11 | 55 | 166 | 301 | 4322 | 2843 | 1911 | 440 | 407 | 332 | 28 |
| 29 | 146 | 90 | 8 | 58 | | 298 | 4405 | 3004 | 1995 | 422 | 400 | 341 | 29 |
| 30 | 134 | 88 | 10 | 61 | | 298 | 4375 | 3148 | 2024 | 425 | 392 | 339 | 30 |
| 31 | 113 | | 3 | 90 | | 298 | | 3136 | | 425 | 383 | | 31 |
| MEAN | 129 | 69 | 112 | 36 | 315 | 217 | 1622 | 2996 | 2314 | 1264 | 434 | 318 | MEAN |
| MAX. | 205 | 92 | 567 | 90 | 1332 | 301 | 4405 | 4378 | 3515 | 2596 | 493 | 381 | MAX. |
| MIN. | 76 | 44 | 3 | 0 | 72 | 140 | 180 | 1847 | 1182 | 422 | 383 | 266 | MIN. |
| AC. FT. | 7950 | 4100 | 6870 | 2200 | 17490 | 13360 | 96520 | 184230 | 137710 | 77700 | 26680 | 18940 | AC. FT. |

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW BY D.W.R.

H - E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 820 | 4460 | 12.72 | 4 | 29 | 1200 | 0.0 | | | | | 593750 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | |
|--|-----------|---------------------------------|-------------------|----------|--------------------|------------------|---------------------|---------------|----|----------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.O.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | |
| 36 48 37 | 120 22 35 | SW 7 13S 15E | 11740a 8840 | 13.75 | 6-20-41 6- 1-52 | OCT 39-DATE | | 1939 | | 142.53 USBR |
| Station located 2.5 miles downstream from Mendota Dam, 4 miles north of Mendota. Records furnished by U. S. Bureau of Reclamation. Drainage area is 3,943 square miles. This station is equipped with DWR radio telemeter. | | | | | | | | | | |
| a Maximum discharge of record prior to the construction of Friant Dam in 1944. | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-----------------------------------|
| 1967 | B67920 | BIG CREEK DIVERSION NEAR FISHCAMP |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|------|------|------|------|------|-------|---------|
| 1 | 1.9 | 1.8 | 13 | 22 E | 31 | 26 * | 28 | 24 | 40 | 41 | 23 | 0.0 | 1 |
| 2 | 2.0 | 1.7 | 26 | 22 | 29 | 27 | 28 | 24 * | 40 | 41 | 22 | 0.0 | 2 |
| 3 | 2.0* | 1.9* | 20 | 20 | 28 | 27 | 28 | 25 | 40 | 42 | 22 | 0.0 | 3 |
| 4 | 2.0 | 2.0 | 19 | 19 | 27 | 26 | 28 | 24 | 40 | 41 | 21 | 0.0 | 4 |
| 5 | 1.9 | 2.0 | 22 * | 18 * | 27 | 25 | 28 * | 25 | 38 * | 41 | 18 | 1.0* | 5 |
| 6 | 1.9 | 3.1 | 14 | 19 | 28 | 26 | 27 | 25 | 39 | 41 * | 16 | 3.4 | 6 |
| 7 | 2.0 | 4.7 | 1.9 | 14 E | 28 | 27 | 27 | 26 | 41 | 41 | 15 | 4.4 | 7 |
| 8 | 1.8 | 3.6 | 1.9 | 17 E | 28 | 28 | 28 | 25 | 39 | 41 | 15 * | 4.4 | 8 |
| 9 | 1.8 | 3.0 | 1.8 | 17 E | 28 | 28 | 27 | 24 | 40 | 40 | 14 | 4.4 | 9 |
| 10 | 1.8 | 2.7 | 1.7 | 17 | 29 | 28 | 27 | 24 | 40 | 40 | 13 | 4.4 | 10 |
| 11 | 1.7 | 2.5 | 2.0 | 17 | 30 | 23 | 27 | 23 | 40 | 39 | 13 | 4.4 | 11 |
| 12 | 1.7 | 2.6 | 2.0 | 17 | 30 | 27 | 27 | 23 | 40 | 39 | 12 | 4.4 | 12 |
| 13 | 1.8 | 2.4 | 2.2 | 17 | 30 | 27 | 27 | 23 | 40 | 40 | 12 | 4.4 | 13 |
| 14 | 1.9 | 2.1 | 2.2 | 17 | 29 | 29 | 27 | 23 | 40 | 39 | 12 | 4.1 | 14 |
| 15 | 1.8 | 2.3 | 15 | 17 | 28 | 29 | 26 | 24 | 40 | 39 | 12 | 4.1 | 15 |
| 16 | 1.8 | 18 | 28 | 17 | 27 | 36 | 26 | 23 | 40 | 38 | 11 | 4.1 | 16 |
| 17 | 1.9 | 6.6* | 28 | 17 | 26 | 32 | 26 | 23 | 40 | 36 | 11 | 4.1 | 17 |
| 18 | 1.8 | 4.1 | 28 | 16 | 27 | 30 | 25 | 22 | 41 | 35 | 10 | 4.1 | 18 |
| 19 | 1.8 | 5.9 | 27 | 16 * | 27 | 29 | 23 | 21 | 41 | 34 | 10 | 4.1* | 19 |
| 20 | 1.9 | 18 | 27 | 19 | 26 | 29 | 24 | 16 | 41 | 32 | 10 | 4.1 | 20 |
| 21 | 1.9 | 9.4 | 26 * | 26 | 26 | 29 | 25 | 11 | 41 | 31 | 9.1 | 4.1 | 21 |
| 22 | 1.9 | 7.4 | 25 | 20 | 26 | 29 | 27 | 11 | 41 | 30 | 8.8 | 4.1 | 22 |
| 23 | 1.8 | 6.9 | 24 | 24 | 26 | 29 | 26 | 10 | 41 | 29 | 8.8 | 4.4 | 23 |
| 24 | 1.8 | 6.0 | 24 | 19 | 25 | 29 | 25 | 10 | 41 | 28 | 8.8 | 4.4 | 24 |
| 25 | 1.8 | 16 | 23 | 25 | 26 | 29 | 25 | 28 | 41 | 27 | 9.5 | 4.1 | 25 |
| 26 | 1.9 | 7.7 | 23 | 24 | 25 | 29 | 25 | 42 | 41 | 26 | 8.8 | 4.1 | 26 |
| 27 | 1.9 | 5.8 | 20 | 24 | 25 | 29 | 25 | 41 | 41 | 26 | 8.4 | 4.1 | 27 |
| 28 | 1.9 | 12 | 15 E | 23 | 26 | 29 | 25 | 41 | 41 | 25 | 8.0 | 4.1 | 28 |
| 29 | 1.9 | 14 | 23 E | 31 | | 29 | 25 | 41 | 42 | 25 | 7.4 | 4.1 | 29 |
| 30 | 1.8 | 13 | 23 E | 33 | | 29 | 24 | 41 | 41 | 24 | 7.4 | 3.9 | 30 |
| 31 | 1.9 | | 20 E | 33 | | 29 | | 41 | | 24 | 1.7 | | 31 |
| MEAN | 1.9 | 6.3 | 17.1 | 20.5 | 27.4 | 28.3 | 26.2 | 25.3 | 40.4 | 34.7 | 12.2 | 3.5 | MEAN |
| MAX. | 2.0 | 18 | 28 | 33 | 31 | 36 | 28 | 42 | 42 | 42 | 23 | 4.4 | MAX. |
| MIN. | 1.7 | 1.7 | 1.7 | 14 E | 25 | 23 | 23 | 10 | 38 | 24 | 1.7 | 0.0 | MIN. |
| AC. FT. | 114 | 375 | 1049 | 1263 | 1523 | 1741 | 1559 | 1555 | 2402 | 2132 | 751 | 209 | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 20.3 | 43 | 3.01 | 5 | 25 | 1900 | 0.0 | | 8 | 31 | 1000 | 14670 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | | DATUM OF GAGE | | |
|----------|-----------|--------------------------------|-------------------|----------|---------|------------------|---------------------|--|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | | PERIOD | | REF. DATUM |
| | | | CF5 | GAGE HT. | DATE | | | | FROM | TO | |
| 37 28 10 | 119 36 52 | NE25 5S 21E | | 3.58 | 1-30-63 | DEC 58-DATE | | | 1958 | | 0.00 LOCAL |

Station located 195 feet upstream from road culvert, 1.4 miles southeast of Fish Camp. This is regulated diversion from Big Creek to Lewis Fork, Fresno River. Stage-discharge relationship at time affected by ice and extreme high flows affected by 36-inch culvert pipe below station. Altitude of gage is approximately 5,400 feet (from topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---------------------------------------|
| 1967 | B67325 | LEWIS FORK FRESNO RIVER NEAR OAKHURST |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|-------|------|------|-------|-------|-------|-------|------|------|-------|---------|
| 1 | 2.7 | 4.3 | 26 | 37 | 123 | 66 | 112 | 126 | 159 | 105 | 49 | 6.6 | 1 |
| 2 | 3.8 | 4.0 | 127 | 36 | 97 | 66 * | 115 | 133 | 153 | 103 | 47 | 5.8 | 2 |
| 3 | 3.9* | 3.7 | 116 | 36 | 83 | 70 | 108 | 140 * | 150 | 101 | 46 | 6.4 | 3 |
| 4 | 4.3 | 4.1* | 50 | 35 | 75 | 66 | 146 | 150 | 148 | 98 | 44 | 5.9 | 4 |
| 5 | 4.1 | 4.2 | 435 * | 35 | 73 | 62 | 150 | 153 | 156 | 97 | 42 | 5.4* | 5 |
| 6 | 3.7 | 5.8 | 956 * | 34 * | 72 | 64 | 141 * | 145 | 148 * | 94 | 41 | 5.7 | 6 |
| 7 | 3.7 | 14 | 162 | 31 | 70 | 64 | 254 | 161 | 145 | 93 * | 38 | 6.1 | 7 |
| 8 | 3.8 | 10 | 70 | 33 | 68 | 64 | 161 | 182 | 142 | 91 | 38 * | 6.8 | 8 |
| 9 | 3.8 | 8.7 | 49 | 33 | 67 | 64 | 140 | 189 | 139 | 90 | 38 | 8.2 | 9 |
| 10 | 3.6 | 7.7 | 39 | 33 | 68 | 64 | 142 | 247 | 137 | 88 | 37 | 9.2 | 10 |
| 11 | 3.5 | 7.6 | 33 | 34 | 69 | 78 | 153 | 180 | 134 | 86 | 35 | 10 | 11 |
| 12 | 3.3 | 7.6 | 34 | 34 | 69 | 139 | 128 | 155 | 132 | 84 | 35 | 12 * | 12 |
| 13 | 3.9 | 7.4 | 51 | 34 | 69 | 139 * | 124 | 147 | 131 | 85 | 32 | 11 | 13 |
| 14 | 4.2 | 7.3 | 47 | 33 | 68 | 102 | 122 | 152 | 130 | 88 | 31 | 11 | 14 |
| 15 | 4.6 | 7.9 | 45 | 33 | 63 | 91 | 139 | 166 | 128 | 86 | 30 | 11 | 15 |
| 16 | 4.6 | 39 | 55 | 33 | 60 | 366 | 126 | 179 | 127 | 86 | 29 | 11 | 16 |
| 17 | 4.8 | 23 | 54 | 32 | 57 | 220 | 120 | 186 | 125 | 83 | 28 | 11 | 17 |
| 18 | 4.6 | 13 | 52 | 32 | 57 | 164 | 174 | 185 | 123 | 83 | 27 | 18 | 18 |
| 19 | 3.9 | 11 | 50 | 32 * | 57 | 138 | 147 | 178 | 122 | 75 | 26 | 16 | 19 |
| 20 | 4.1 | 38 | 50 | 34 | 57 | 122 | 144 | 176 | 120 | 74 | 26 | 13 | 20 |
| 21 | 4.4 | 30 | 48 * | 84 | 55 | 116 | 145 | 172 | 119 | 71 | 25 | 12 | 21 |
| 22 | 4.7 | 31 | 45 | 85 | 54 | 113 | 150 | 167 | 118 | 67 | 23 | 13 | 22 |
| 23 | 5.1 | 19 | 44 | 58 | 56 | 110 | 150 | 167 | 116 | 66 | 22 | 14 | 23 |
| 24 | 4.2 | 15 | 42 | 73 | 63 | 106 | 178 | 192 | 113 | 65 | 22 | 14 | 24 |
| 25 | 3.9 | 13 | 42 | 65 | 72 | 102 | 162 | 192 | 111 | 63 | 23 | 16 | 25 |
| 26 | 4.0 | 13 | 41 | 61 | 65 | 100 | 163 | 199 | 110 | 60 | 23 | 13 | 26 |
| 27 | 3.7 | 13 | 32 | 63 | 66 | 97 | 171 | 191 | 109 | 56 | 21 | 12 | 27 |
| 28 | 4.1 | 31 | 29 | 61 | 65 | 119 | 154 | 184 | 107 | 55 | 19 | 11 | 28 |
| 29 | 4.3 | 37 | 39 | 149 | | 113 | 132 | 178 | 107 | 53 | 14 | 12 | 29 |
| 30 | 4.3 | 30 | 39 | 232 | | 103 | 125 | 172 | 106 | 53 | 13 | 11 | 30 |
| 31 | 4.2 | | 36 | 210 | | 107 | | 167 | | 51 | 12 | | 31 |
| MEAN | 4.1 | 15.3 | 94.8 | 58.6 | 68.5 | 110 | 146 | 171 | 129 | 79 | 30.2 | 10.6 | MEAN |
| MAX. | 5.1 | 39 | 956 | 232 | 123 | 366 | 254 | 247 | 159 | 105 | 49 | 18 | MAX. |
| MIN. | 2.7 | 3.7 | 26 | 31 | 54 | 62 | 108 | 126 | 106 | 51 | 12 | 5.4 | MIN. |
| AC. FT. | 250 | 913 | 5827 | 3600 | 3804 | 6734 | 8680 | 10530 | 7666 | 4860 | 1857 | 631 | AC. FT. |

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

| MEAN | MAXIMUM | | | | MINIMUM | | | | TOTAL |
|-----------|-----------|----------|-----|------|-----------|----------|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | DISCHARGE | GAGE HT. | MO. | DAY | ACRE FEET |
| 76.5 | 1500 | 4.37 | 12 | 6 | 2.5 | 0.93 | 10 | 1 | 55360 |
| | | | | 0700 | | | | 0000 | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|-------------------------------|-------------------|----------|--------|------------------|---------------------|---------------|------|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 20 44 | 119 38 20 | SE 2 7S 21E | 2000 | 5.00 | 2-1-63 | SEP 61-DATE | | 1961 | DATE | 0.00 | LOCAL |
| Station located 1.6 miles north of Oakhurst on Highway 41, 500 feet downstream from White Oaks Guest Home. Station located on left bank above concrete weir. Drainage area is 32.5 square miles. Altitude of gage is approximately 2,520 feet (from topographic map). | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---------------------------|
| 1967 | B67300 | MIAMI CREEK NEAR OAKHURST |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|-------|------|------|-------|------|------|------|------|------|-------|---------|
| 1 | 0.4 | 0.7 | 3.6 | 4.8 | 32 | 7.9* | 21 | 31 | 36 | 14 | 7.4 | 4.3E | 1 |
| 2 | 0.4 | 0.7 | 50 | 4.8 | 21 * | 7.4 | 21 | 37 * | 34 | 13 | 7.4 | 4.1E | 2 |
| 3 | 0.5* | 0.6* | 45 | 4.6 | 16 | 7.9 | 20 | 40 | 33 | 13 | 7.4 | 3.9E | 3 |
| 4 | 1.0 | 0.6 | 10 | 4.6 | 15 | 7.9 | 27 | 42 | 33 | 12 | 7.4 | 3.8E | 4 |
| 5 | 1.0 | 0.6 | 180 | 4.6* | 13 | 7.2 | 26 * | 42 | 35 * | 10 | 7.0 | 3.8# | 5 |
| 6 | 0.9 | 0.9 | 335 * | 4.6 | 13 | 7.7 | 29 | 43 | 33 | 11 * | 7.0 | 3.3 | 6 |
| 7 | 0.6 | 2.8 | 57 | 4.4 | 12 | 7.4 | 55 | 49 | 31 | 10 | 6.5 | 3.3 | 7 |
| 8 | 0.4 | 1.6 | 23 | 4.4 | 11 | 7.4 | 35 | 54 | 29 | 10 | 6.7* | 3.1 | 8 |
| 9 | 0.7 | 1.2 | 16 | 4.4 | 11 | 7.4 | 32 | 54 | 29 | 9.8 | 6.5 | 3.1 | 9 |
| 10 | 0.6 | 1.1 | 13 | 4.1 | 11 | 7.7 | 32 | 69 | 27 | 9.3 | 6.5 | 3.0 | 10 |
| 11 | 0.5 | 1.2 | 10 | 4.1 | 11 | 13 E | 30 | 51 | 26 | 9.3 | 6.3 | 3.0 | 11 |
| 12 | 0.5 | 1.0 | 9.5 | 4.1 | 11 | 37 E | 26 | 44 | 26 | 9.0 | 5.8 | 3.1 | 12 |
| 13 | 0.6 | 1.0 | 8.4 | 4.1 | 11 | 36 E | 28 | 43 | 24 | 8.7 | 5.8 | 3.0 | 13 |
| 14 | 0.6 | 1.0 | 7.9 | 4.1 | 10 | 26 E | 30 | 46 | 23 | 8.4 | 5.6 | 3.0 | 14 |
| 15 | 0.6 | 1.0 | 7.7 | 3.8 | 9.8 | 23 E | 30 | 49 | 22 | 8.7 | 5.4 | 2.8 | 15 |
| 16 | 0.9 | 8.4 | 7.0 | 3.8 | 9.3 | 147 E | 27 | 53 | 21 | 8.7 | 5.2 | 2.8 | 16 |
| 17 | 0.8 | 3.9 | 6.7 | 3.8 | 9.0 | 62 E | 27 | 57 | 17 | 8.4 | 5.0 | 2.8 | 17 |
| 18 | 0.8 | 1.9 | 6.5 | 3.8 | 9.0 | 40 E | 39 | 59 | 16 | 8.4 | 5.0 | 3.9 | 18 |
| 19 | 0.8 | 1.6 | 6.0 | 3.8* | 8.4 | 31 E | 32 | 59 | 17 | 8.4 | 4.6 | 4.3 | 19 |
| 20 | 0.8 | 6.0 | 5.8 | 3.9 | 8.2 | 28 E | 29 | 61 | 18 * | 8.2 | 4.4 | 3.8 | 20 |
| 21 | 0.8 | 6.0 | 5.4* | 11 | 7.9 | 26 E | 27 | 63 | 17 | 8.2 | 4.4 | 3.6 | 21 |
| 22 | 0.8 | 7.2 | 5.4 | 14 | 7.7 | 27 | 26 | 63 | 16 | 8.2 | 4.3 | 3.6 | 22 |
| 23 | 0.8 | 3.8 | 5.2 | 8.7 | 7.7 | 26 | 26 | 62 | 14 | 8.2 | 4.1 | 3.8 | 23 |
| 24 | 0.8 | 2.7 | 5.2 | 9.3 | 7.2 | 24 | 29 | 59 | 14 | 8.2 | 4.1 | 3.8 | 24 |
| 25 | 0.7 | 2.3 | 5.0 | 9.3 | 7.9 | 22 | 30 | 55 | 15 | 8.2 | 4.3 | 3.9 | 25 |
| 26 | 0.7 | 2.0 | 5.2 | 9.0 | 7.7 | 22 | 32 | 51 | 15 | 7.9 | 4.3E | 3.9 | 26 |
| 27 | 0.7 | 1.9 | 5.0 | 9.5 | 7.4 | 21 | 36 | 48 | 15 | 7.7 | 4.3E | 3.8 | 27 |
| 28 | 0.8 | 5.6 | 5.4 | 11 | 7.4 | 25 | 33 | 46 | 14 | 8.2 | 4.3E | 3.8 | 28 |
| 29 | 0.7 | 9.0 | 5.4 | 39 | | 26 | 28 | 44 | 14 | 7.9 | 4.4E | 3.8 | 29 |
| 30 | 0.6 | 4.6 | 5.4 | 66 * | | 22 | 28 | 41 | 13 | 7.9 | 4.4E | 3.6 | 30 |
| 31 | 0.7 | | 5.0 | 65 | | 22 | | 39 | | 7.7 | 4.4E | | 31 |
| MEAN | 0.7 | 2.8 | 27.9 | 10.9 | 11.2 | 25.2E | 29.7 | 50.1 | 22.6 | 9.2 | 5.5 | 3.5 | MEAN |
| MAX. | 1.0 | 9.0 | 335 | 66 | 32 | 147 E | 55 | 69 | 36 | 14 | 7.4 | 4.3 | MAX. |
| MIN. | 0.4 | 0.6 | 3.6 | 3.8 | 7.2 | 7.2 | 20 | 31 | 13 | 7.7 | 4.1 | 2.8 | MIN. |
| AC. FT. | 43 | 164 | 1717 | 667 | 620 | 1551E | 1767 | 3082 | 1343 | 568 | 338 | 210 | AC. FT. |

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

- E AND *

| MEAN |
|-----------|
| DISCHARGE |
| 16.7 |

| MAXIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| 553 | 7.81 | 12 | 6 | 0550 |

| MINIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| 0.3 | 2.43 | 10 | 1 | 0000 |

| TOTAL |
|-----------|
| ACRE FEET |
| 12070 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|---------------------------------|-------------------|----------|--------|------------------|---------------------|---------------|------|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 23 38 | 119 39 10 | SE22 6S 21E | 804 (revised) | 9.08 | 2-1-63 | DEC 59-DATE | | 1959 | DATE | 0.00 | |

Station located 150 feet downstream from bridge, 4.5 miles north of Oakhurst. Tributary to Fresno River. Stage-discharge relationship at times affected by ice. Drainage area is 10.6 square miles. Recorder installed December 15, 1959. Maximum discharge of record was revised to 804 cfs. from rating curve extended above 544 cfs. which more clearly defines the stage-discharge relationship of the higher flows. (Previously reported as 1140E cfs. based on a rating extended above 202 cfs.) Altitude of gage is approximately 3,500 feet (from topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|----------------------------------|
| 1967 | B07610 | SAN JOAQUIN RIVER NEAR DOS PALOS |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|-------|------|-------|--------|-------|-------|------|-------|---------|
| 1 | | | 0 | 0 | 202 | 12 | 0 | 4352 | 2509 | 954 | 12 | 12 | 1 |
| 2 | | | 0 | 0 | 228 | 12 | 5 | 4260 | 2619 | 1134 | 12 | 12 | 2 |
| 3 | | | 0 | 0 | 166 | 4 | 9 | 4180 | 2682 | 1244 | 12 | 3 | 3 |
| 4 | | | 0 | 0 | 587 | 0 | 12 | 4064 | 2790 | 1300 | 3 | 0 | 4 |
| 5 | | | 0 | 0 | 1002 | 0 | 212 | 3850 | 2691 | 1412 | 0 | 5 | 5 |
| 6 | | | 25 | 0 | 1289 | 0 | 115 | 3770 | 2682 | 1517 | 0 | 12 | 6 |
| 7 | | | 146 | 0 | 1171 | 0 | 67 | 3510 | 2862 | 1517 | 9 | 12 | 7 |
| 8 | | | 492 | 0 | 642 | 0 | 49 | 3330 | 2970 | 1426 | 12 | 3 | 8 |
| 9 | | | 544 | 0 | 315 | 0 | 24 | 2960 | 2852 | 1251 | 12 | 0 | 9 |
| 10 | | | 462 | 0 | 277 | 0 | 18 | 2610 | 2005 | 1086 | 12 | 0 | 10 |
| 11 | | | 510 | 0 | 292 | 0 | 32 | 2475 | 1820 | 648 | 12 | 0 | 11 |
| 12 | N | N | 438 | 0 | 188 | 0 | 131 | 2421 | 1772 | 423 | 3 | 0 | 12 |
| 13 | O | O | 338 | 0 | 126 | 4 | 368 | 2061 | 1573 | 306 | 0 | 0 | 13 |
| 14 | | | 257 | 0 | 106 | 9 | 500 | 1660 | 1230 | 250 | 0 | 5 | 14 |
| 15 | | | 182 | 0 | 86 | 0 | 592 | 1433 | 990 | 360 | 0 | 6 | 15 |
| 16 | F | F | 123 | 0 | 55 | 0 | 745 | 1305 | 642 | 414 | 0 | 8 | 16 |
| 17 | L | L | 82 | 0 | 41 | 0 | 942 | 1124 | 490 | 215 | 9 | 8 | 17 |
| 18 | O | O | 63 | 0 | 26 | 0 | 1006 | 1405 | 394 | 187 | 12 | 0 | 18 |
| 19 | W | W | 19 | 0 | 25 | 0 | 795 | 1538 | 339 | 363 | 12 | 0 | 19 |
| 20 | | | 0 | 0 | 26 | 0 | 826 | 1552 | 345 | 160 | 12 | 5 | 20 |
| 21 | | | 0 | 51 | 15 | 0 | 1098 | 1573 | 678 | 76 | 12 | 12 | 21 |
| 22 | | | 0 | 96 | 9 | 0 | 2133 | 1552 | 875 | 63 | 12 | 12 | 22 |
| 23 | | | 0 | 75 | 6 | 0 | 3150 | 1620 | 880 | 49 | 3 | 12 | 23 |
| 24 | | | 0 | 92 | 6 | 0 | 3921 | 1932 | 831 | 28 | 0 | 9 | 24 |
| 25 | | | 2 | 109 | 5 | 0 | 4120 | 1964 | 815 | 0 | 0 | 0 | 25 |
| 26 | | | 6 | 69 | 3 | 0 | 4050 | 1980 | 800 | 0 | 0 | 0 | 26 |
| 27 | | | 4 | 15 | 0 | 0 | 4050 | 1989 | 760 | 0 | 0 | 0 | 27 |
| 28 | | | 1 | 12 | 0 | 0 | 4140 | 2088 | 755 | 0 | 0 | 9 | 28 |
| 29 | | | 0 | 70 | 0 | 0 | 4320 | 2169 | 805 | 0 | 0 | 12 | 29 |
| 30 | | | 0 | 125 | 0 | 0 | 4350 | 2430 | 919 | 0 | 9 | 9 | 30 |
| 31 | | | 0 | 158 | 0 | 0 | | 2520 | | 0 | 12 | | 31 |
| MEAN | | | 119 | 28.1 | 246 | 1.3 | 1393 | 2441 | 1479 | 528 | 6.2 | 5.5 | MEAN |
| MAX. | | | 544 | 158 | 1289 | 12 | 4350 | 4352 | 2970 | 1517 | 12 | 12 | MAX. |
| MIN. | | | 0 | 0 | 0 | 0 | 0 | 1124 | 339 | 0 | 0 | 0 | MIN. |
| AC. FT. | | | 7330 | 1730 | 13670 | 81 | 82870 | 150110 | 88020 | 32500 | 381 | 329 | AC. FT. |

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW BY D.W.R.
 H - E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|----|-----|------|-----------|----------|----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO | DAY | TIME | DISCHARGE | GAGE HT. | MO | DAY | TIME | ACRE FEET |
| 521 | 4360 | 9.32 | 4 | 29 | 2400 | 0.0 | | 10 | 1 | 0000 | 377021 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|---------------------------------|-------------------|----------|--------------------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 36 59 38 | 120 30 02 | N 12 11 S 13 E | 8920a 8200 | 10.52b | 6-24-41 6- 5-52 | OCT 40-DATE | | 1940 | | 116.5 | USED |
| Station located 800 feet downstream from the head of Temple Slough, 6.5 miles east of Dos Palos. Records furnished by U. S. Bureau of Reclamation. Drainage area is approximately 4,672 square miles. a Maximum discharge of record prior to the construction of Friant Dam in 1944. b Gage height at site and datum then in use. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|--|
| 1967 | B64400 | EAST FORK CHOWCHILLA RIVER NEAR AHWAHNEE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|--------|-------|------|-------|-------|-------|------|------|------|-------|---------|
| 1 | 0.0 | 0.7 | 6.9 | 11 | 173 | 25 | 154 | 200 | 97 | 26 | 7.2 | 2.3 | 1 |
| 2 | 0.0 | 0.7 | 96 | 10 | 126 | 24 | 183 | 203 | 93 | 24 | 6.7 | 2.3 | 2 |
| 3 | 0.0 | 0.8 | 149 | 10 | 101 | 24 | 148 | 205 | 88 | 24 | 6.7 | 2.6 | 3 |
| 4 | 0.0* | 0.8* | 32 | 10 | 87 | 27 | 256 | 200 | 85 | 22 | 6.3* | 2.8 | 4 |
| 5 | 0.0 | 0.7 | 476 | 10 | 74 | 25 | 257 | 198 | 92 | 21 | 6.3 | 2.6 | 5 |
| 6 | 0.0 | 1.1 | 1310 * | 11 * | 62 | 24 * | 203 | 188 | 88 | 24 | 5.9 | 2.6* | 6 |
| 7 | 0.0 | 3.5 | 231 | 10 | 53 | 24 | 598 * | 195 | 83 | 21 | 6.3 | 2.6 | 7 |
| 8 | 0.0 | 3.5 | 98 | 11 | 46 * | 23 | 266 | 205 | 80 | 20 | 5.9 | 2.6 | 8 |
| 9 | 0.0 | 2.2 | 47 | 11 | 44 | 23 | 210 | 213 | 77 | 20 | 5.9 | 2.6 | 9 |
| 10 | 0.0 | 1.6 | 18 | 11 | 40 | 20 | 207 | 283 * | 76 | 19 | 5.4 | 2.6 | 10 |
| 11 | 0.0 | 1.9 | 16 | 10 | 38 | 84 | 311 | 205 | 72 | 19 | 5.4 | 2.6 | 11 |
| 12 | 0.0 | 1.9 | 16 | 10 | 37 | 342 | 223 | 186 | 74 * | 18 | 5.1 | 2.6 | 12 |
| 13 | 0.0 | 1.9 | 17 | 9.6 | 35 | 364 * | 197 | 179 | 72 | 18 * | 4.7 | 2.8 | 13 |
| 14 | 0.1 | 1.9 | 17 | 9.3 | 34 | 219 | 181 | 174 | 66 | 16 | 4.3 | 2.6 | 14 |
| 15 | 0.1 | 1.9 | 17 | 9.3 | 32 | 150 | 232 | 172 | 60 | 16 | 4.3 | 2.3 | 15 |
| 16 | 0.2 | 8.5 | 17 | 9.3 | 31 | 733 * | 204 | 172 | 56 | 16 | 4.3 | 2.3 | 16 |
| 17 | 0.2 | 11 | 17 | 9.3 | 30 | 286 | 179 | 174 | 50 | 15 | 4.0 | 2.3 | 17 |
| 18 | 0.3 | 5.2 | 16 | 9.3 | 29 | 193 | 452 | 172 | 45 | 14 | 3.4 | 4.3 | 18 |
| 19 | 0.4 | 4.0 | 15 | 9.1 | 28 | 152 | 419 | 163 | 43 | 14 | 3.4 | 8.2 | 19 |
| 20 | 0.3 | 15 | 14 | 9.3 | 28 | 132 | 407 | 156 | 42 * | 14 | 3.4 | 5.1 | 20 |
| 21 | 0.4 | 21 | 13 | 35 | 25 | 120 | 461 | 148 | 39 | 13 | 3.7 | 4.3 | 21 |
| 22 | 0.4 | 26 | 12 | 130 | 25 | 112 | 452 | 142 | 36 | 13 | 3.4 | 3.7 | 22 |
| 23 | 0.4 | 19 | 12 | 53 | 25 | 105 | 399 | 134 | 35 | 12 | 3.4 | 4.0 | 23 |
| 24 | 0.4 | 8.9 | 12 | 220 | 24 | 104 | 447 | 128 | 35 | 12 | 3.4 | 4.0 | 24 |
| 25 | 0.4 | 6.6 | 12 | 147 | 40 | 98 | 334 | 122 | 32 | 11 | 3.1 | 4.0 | 25 |
| 26 | 0.4 | 5.4 | 13 | 86 | 33 | 97 | 295 | 116 | 31 | 9.8 | 3.1 | 4.0 | 26 |
| 27 | 0.4 | 5.4 | 11 | 78 | 29 | 95 | 303 | 109 | 31 | 9.3 | 2.8 | 3.4 | 27 |
| 28 | 0.4 | 5.7 | 11 | 74 | 27 | 120 | 293 | 105 | 30 | 8.7 | 2.8 | 3.4 | 28 |
| 29 | 0.6 | 14 | 11 | 174 | | 122 | 231 | 103 | 29 | 8.2 | 2.8 | 3.1 | 29 |
| 30 | 0.6 | 8.4 | 11 | 397 * | | 105 | 216 | 100 | 28 | 8.2 | 2.6 | 3.4 | 30 |
| 31 | 0.7 | | 11 | 369 | | 140 | | 102 | | 7.7 | 2.6 | | 31 |
| MEAN | 0.2 | 6.3 | 88.9 | 63.3 | 48.4 | 133 | 291 | 166 | 58.8 | 15.9 | 4.5 | 3.3 | MEAN |
| MAX. | 0.7 | 26 | 1310 | 397 | 173 | 733 | 598 | 283 | 97 | 26 | 7.2 | 8.2 | MAX. |
| MIN. | 0.0 | 0.7 | 6.9 | 9.1 | 24 | 20 | 148 | 100 | 28 | 7.7 | 2.6 | 2.3 | MIN. |
| AC. FT. | 13 | 375 | 5460 | 3893 | 2690 | 8156 | 17290 | 10220 | 3501 | 980 | 275 | 194 | AC. FT. |

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

- E AND *

| MEAN |
|-------------------|
| DISCHARGE 73.3 |

| MAXIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| 2660 | 9.15 | 12 | 6 | 1500 |

| MINIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| 0.0 | | 10 | 1 | 0000 |

| TOTAL |
|--------------------|
| ACRE FEET 53050 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|-------------------------------|-------------------|----------|---------|------------------|---------------------|---------------|------|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.O.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 20 09 | 119 48 59 | SE 7 7S 20E | 3710E | 10.34 | 1-31-63 | NOV 57-DATE | | 1957 | DATE | 0.00 | LOCAL |
| Station located 1.1 miles upstream from the mouth, 5.5 miles west of Ahwahnee. Drainage area 57.8 square miles. Maximum discharge of record from rating curve extended above 2,494 cfs. Altitude of gage 980 feet (from topographic map). | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|--|
| 1967 | B64300 | WEST FORK CHOWCHILLA RIVER NEAR MARIPOSA |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|-------|-------|------|-------|-------|------|------|------|------|-------|---------|
| 1 | | 0.0 | 0.1 | 1.5 | 87 | 11 | 133 | 107 | 28 | 2.3 | | | 1 |
| 2 | | 0.0 | 103 | 1.3 | 58 | 10 | 149 | 100 | 24 | 2.2 | | | 2 |
| 3 | | 0.0 | 75 | 1.3 | 44 | 12 | 108 | 97 | 22 | 2.0 | | | 3 |
| 4 | * | 0.0* | 7.8 | 1.3 | 37 | 13 | 203 | 92 | 20 | 1.8 | | | 4 |
| 5 | | 0.0 | 342 | 1.3 | 31 | 11 | 210 | 87 | 25 | 1.6 | | | 5 |
| 6 | | 0.0 | 843 * | 1.2* | 27 | 10 * | 183 | 81 | 24 | 1.8 | | * | 6 |
| 7 | | 0.0 | 94 | 1.3 | 23 | 10 | 415 * | 75 | 21 | 1.3 | | | 7 |
| 8 | | 0.0 | 38 | 1.3 | 20 * | 10 | 170 | 71 | 19 | 1.3 | | | 8 |
| 9 | | 0.0 | 20 | 1.3 | 18 | 9.9 | 129 | 69 | 17 | 1.1 | | | 9 |
| 10 | | 0.0 | 13 | 1.4 | 18 | 9.8 | 121 | 97 * | 16 | 0.9 | | | 10 |
| 11 | | 0.0 | 8.7 | 1.4 | 16 | 99 | 217 | 73 | 15 | 0.7 | | | 11 |
| 12 | N | 0.0 | 7.0 | 1.4 | 15 | 447 | 142 | 65 | 15 * | 0.6 | N | N | 12 |
| 13 | O | 0.0 | 5.7 | 1.5 | 15 | 357 | 114 | 61 | 15 | 0.6* | O | O | 13 |
| 14 | | 0.0 | 4.8 | 1.5 | 14 | 206 | 105 | 55 | 14 | 0.5 | | | 14 |
| 15 | | 0.0 | 4.2 | 1.4 | 12 | 136 | 152 | 52 | 12 | 0.5 | | | 15 |
| 16 | F | 0.0 | 3.8 | 1.4 | 12 | 723 * | 126 | 49 | 11 | 0.5 | F | F | 16 |
| 17 | L | 0.0 | 3.5 | 1.5 | 12 | 226 | 106 | 46 | 11 | 0.4 | L | L | 17 |
| 18 | O | 0.0 | 3.1 | 1.4 | 11 | 135 | 346 | 43 | 9.9 | 0.4 | O | O | 18 |
| 19 | W | 0.0 | 2.8 | 1.5 | 11 | 106 | 295 | 41 | 9.6 | 0.3 | W | W | 19 |
| 20 | | 0.0 | 2.5 | 1.6 | 11 | 92 | 276 | 38 | 9.4* | 0.3 | | | 20 |
| 21 | * | 0.0 | 2.3 | 7.0 | 9.9 | 81 | 353 | 35 | 8.0 | 0.2 | | | 21 |
| 22 | | 0.5 | 2.1 | 75 | 10 | 73 | 281 | 33 | 7.0 | 0.2 | | | 22 |
| 23 | | 0.8 | 1.9 | 22 | 10 | 68 | 224 | 30 | 6.3 | 0.2 | | | 23 |
| 24 | | 0.1 | 1.7 | 133 * | 9.9 | 62 | 232 | 29 | 6.1 | 0.2 | | | 24 |
| 25 | | 0.0 | 1.7 | 102 | 29 | 57 | 177 | 27 | 5.3 | 0.1 | | | 25 |
| 26 | | 0.0 | 2.2 | 44 | 17 | 55 | 156 | 26 | 4.8 | 0.1 | | | 26 |
| 27 | | 0.0 | 1.7 | 32 | 12 | 51 | 161 | 25 | 4.2 | 0.1 | | | 27 |
| 28 | | 0.0 | 1.5 | 27 | 11 | 76 | 151 | 24 | 3.5 | 0.1 | | | 28 |
| 29 | | 0.2 | 1.7 | 114 | | 74 | 126 | 24 | 3.2 | 0.0 | | | 29 |
| 30 | | 0.1 | 1.7 | 243 | | 64 | 117 | 23 | 2.8 | 0.0 | | | 30 |
| 31 | | | 1.6 | 205 | | 118 | | 25 | | 0.0 | | | 31 |
| MEAN | | 0.1 | 51.7 | 33.3 | 21.5 | 110 | 189 | 54.8 | 13.0 | 0.7 | | | MEAN |
| MAX. | | 0.8 | 843 | 243 | 87 | 723 | 415 | 107 | 28 | 2.3 | | | MAX. |
| MIN. | | 0.0 | 0.1 | 1.2 | 9.9 | 9.8 | 105 | 23 | 2.8 | 0.0 | | | MIN. |
| AC. FT. | | 4 | 3178 | 2047 | 1192 | 6769 | 11260 | 3372 | 772 | 44 | | | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 39.6 | 1900 | 7.32 | 3 | 16 | 1100 | 0.0 | | 10 | 1 | 0000 | 28640 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|--------------------------------|-------------------|----------|--------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CF5 | GAGE NT. | DATE | | | FROM | TO | | |
| 37 25 14 | 119 52 25 | SE10 6S 19E | 3590E | 8.67 | 4-3-58 | NOV 57-DATE | | 1957 | | 0.00 | LOCAL |

Station located 15 feet downstream from Indian Peak Road Bridge, 6.7 miles southeast of Mariposa. Drainage area is 33.6 square miles. Maximum discharge of record from rating curve extended above 1,829 cfs. Altitude of gage is 1,680 feet (from topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|--|
| 1967 | B64360 | MIDDLE FORK CHOWCHILLA RIVER NEAR NIPINNAWASEE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|-------|-------|------|-------|-------|------|------|------|------|-------|---------|
| 1 | 0.0 | 0.1 | 0.8 | 2.5 | 46 | 6.2 | 44 | 53 | 17 | 4.3 | 1.1 | 0.0 | 1 |
| 2 | 0.0 | 0.1 | 23 | 2.4 | 30 | 5.7 | 64 | 49 | 16 | 4.0 | 0.9 | 0.0 | 2 |
| 3 | 0.0 | 0.1 | 60 | 2.4 | 24 | 5.7 | 49 | 45 | 15 | 3.6 | 0.8 | 0.1 | 3 |
| 4 | 0.0 | 0.1 | 7.2 | 2.3 | 19 | 7.1 | 91 | 45 | 15 | 3.6 | 0.8* | 0.0 | 4 |
| 5 | 0.0 | 0.1 | 151 | 2.4 | 16 | 6.2 | 101 | 43 | 16 | 3.6 | 0.6 | 0.1 | 5 |
| 6 | 0.0 | 0.3 | 460 * | 2.4 * | 14 | 6.0* | 62 | 40 | 16 | 4.0 | 0.6 | 0.0 | 6 |
| 7 | 0.0 | 0.6 | 63 | 2.4 | 12 | 6.0 | 257 * | 40 | 14 | 3.8 | 0.4 | 0.0 | 7 |
| 8 | 0.0 | 0.5 | 24 | 2.3 | 10 * | 5.7 | 87 | 40 | 14 | 3.8 | 0.4 | 0.0 | 8 |
| 9 | 0.0 | 0.5 | 15 | 2.3 | 9.5 | 5.7 | 59 | 42 | 13 | 3.6 | 0.5 | 0.0 | 9 |
| 10 | 0.0 | 0.5 | 12 | 2.3 | 9.2 | 5.4 | 53 | 57 * | 13 | 3.6 | 0.4 | 0.1 | 10 |
| 11 | 0.0 | 0.5 | 9.5 | 2.1 | 8.8 | 28 | 98 | 44 | 12 | 3.3 | 0.4 | 0.0 | 11 |
| 12 | 0.0 | 0.2 | 7.6 | 2.1 | 8.2 | 124 | 76 | 41 | 12 * | 2.8 | 0.3 | 0.0 | 12 |
| 13 | 0.0 | 0.2 | 6.6 | 2.3 | 7.9 | 144 * | 58 | 38 | 12 | 2.5* | 0.3 | 0.0 | 13 |
| 14 | 0.0 | 0.2 | 5.6 | 2.2 | 7.4 | 92 | 49 | 35 | 11 | 2.9 | 0.2 | 0.0 | 14 |
| 15 | 0.0 | 0.2 | 5.1 | 2.3 | 7.2 | 48 | 71 | 33 | 9.5 | 3.1 | 0.2 | 0.0 | 15 |
| 16 | 0.0 | 1.3 | 4.3 | 2.2 | 6.9 | 270 * | 68 | 32 | 8.8 | 2.9 | 0.2 | 0.0 | 16 |
| 17 | 0.0 | 0.5 | 4.1 | 2.2 | 6.7 | 82 | 59 | 31 | 8.1 | 2.8 | 0.1 | 0.1 | 17 |
| 18 | 0.0 | 0.2 | 3.9 | 2.0 | 6.6 | 50 | 141 | 30 | 7.1 | 2.8 | 0.1 | 0.6 | 18 |
| 19 | 0.0 | 0.3 | 3.7 | 2.0 | 6.7 | 38 | 134 | 28 | 6.8 | 2.6 | 0.1 | 0.6 | 19 |
| 20 | 0.0 | 1.3 | 3.5 | 2.1 | 5.9 | 31 | 123 | 27 | 6.2* | 2.5 | 0.1 | 0.2 | 20 |
| 21 | 0.0 | 1.7 | 3.2 | 7.7 | 6.0 | 28 | 145 | 25 | 6.0 | 2.3 | 0.1 | 0.1 | 21 |
| 22 | 0.0 | 3.4 | 3.1 | 62 | 6.2 | 25 | 160 | 24 | 6.0 | 2.2 | 0.1 | 0.2 | 22 |
| 23 | 0.0 | 2.5 | 2.9 | 18 | 6.1 | 22 | 143 | 21 | 5.7 | 2.1 | 0.0 | 0.2 | 23 |
| 24 | 0.0 | 1.2 | 2.9 | 82 * | 5.9 | 21 | 172 | 20 | 5.4 | 2.1 | 0.0 | 0.2 | 24 |
| 25 | 0.0 | 0.8 | 2.9 | 61 | 12 | 19 | 120 | 20 | 5.4 | 1.9 | 0.0 | 0.2 | 25 |
| 26 | 0.0 | 0.7 | 3.1 | 28 | 10 | 19 | 97 | 19 | 5.2 | 1.7 | 0.1 | 0.2 | 26 |
| 27 | 0.0 | 0.5 | 3.1 | 20 | 7.4 | 17 | 91 | 18 | 4.9 | 1.6 | 0.0 | 0.1 | 27 |
| 28 | 0.0 | 0.7 | 2.6 | 16 | 6.3 | 23 | 93 | 17 | 4.9 | 1.4 | 0.0 | 0.1 | 28 |
| 29 | 0.0 | 0.9 | 2.9 | 57 | | 39 | 67 | 18 | 4.5 | 1.4 | 0.0 | 0.2 | 29 |
| 30 | 0.1 | 0.9 | 2.9 | 132 | | 23 | 61 | 18 | 4.7 | 1.4 | 0.0 | 0.1 | 30 |
| 31 | 0.1 | | 2.7 | 114 | | 37 | | 18 | | 1.1 | 0.0 | | 31 |
| MEAN | 0.0 | 0.7 | 29.1 | 20.7 | 11.5 | 40.0 | 96.4 | 32.6 | 9.8 | 2.8 | 0.3 | 0.1 | MEAN |
| MAX. | 0.1 | 3.4 | 460 | 132 | 46 | 270 | 257 | 57 | 17 | 4.3 | 1.1 | 0.6 | MAX. |
| MIN. | 0.0 | 0.1 | 0.8 | 2.0 | 5.9 | 5.4 | 44 | 17 | 4.5 | 1.1 | 0.0 | 0.0 | MIN. |
| AC. FT. | 0 | 42 | 1789 | 1275 | 638 | 2459 | 5738 | 2005 | 586 | 169 | 17 | 7 | AC. FT. |

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

- E AND *

| MEAN |
|-----------|
| DISCHARGE |
| 20.3 |

| MAXIMUM | | | | |
|-----------|---------|----|-----|------|
| DISCHARGE | GAGE HT | MO | DAY | TIME |
| 1007 | 8.29 | 12 | 6 | 1330 |

| MINIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| 0.0 | 2.37 | 10 | 1 | 0000 |

| TOTAL |
|-----------|
| ACRE FEET |
| 14730 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|---------------------------------|-------------------|----------|--------|------------------|---------------------|---------------|------|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D. & S.M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 22 56 | 119 50 11 | NE25 6S 19E | 1280 | 10.10 | 2-1-63 | MAR 58-DATE | | 1958 | DATE | 0.00 | LOCAL |
| Station located 6 miles west of Nipinnawasee, 10 miles southeast of Mariposa. Tributary to East Fork Chowchilla River. Drainage area is 13.6 square miles. Drainage area previously reported as 12.3 square miles. Altitude of gage is 1,520 feet (from topographic map). | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---------------------------------|
| 1967 | B64260 | STRIPED ROCK CREEK NEAR RAYMOND |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|-------|-------|------|-------|-------|------|------|------|------|-------|---------|
| 1 | 0.0 | 0.1 | 1.0 | 1.6 | 32 | 4.5 | 43 | 33 | 8.9 | 0.7 | 0.1 | 0.0 | 1 |
| 2 | 0.0 | 0.2 | 8.3 | 1.8 | 21 | 4.3 | 51 | 31 | 8.9 | 0.6 | 0.1 | 0.0 | 2 |
| 3 | 0.0 | 0.2 | 20 | 1.7 | 16 | 4.3 | 24 | 29 | 8.3 | 0.6 | 0.1 | 0.0 | 3 |
| 4 | 0.0* | 0.3* | 3.6 | 1.7 | 14 | 4.1 | 49 | 26 | 7.8 | 0.5 | 0.1 | 0.0 | 4 |
| 5 | 0.0 | 0.3 | 69 | 1.7 | 12 | 4.0 | 91 | 25 | 11 | 0.5 | 0.0 | 0.0 | 5 |
| 6 | 0.0 | 0.6 | 319 # | 1.6* | 11 | 3.6* | 39 | 22 | 9.6 | 0.4 | 0.0 | 0.0 | 6 |
| 7 | 0.0 | 0.8 | 33 | 0.5 | 10 | 3.3 | 130 * | 21 | 8.9 | 0.4 | 0.1 | 0.0 | 7 |
| 8 | 0.0 | 0.2 | 14 | 1.3 | 9.6* | 3.6 | 49 | 19 | 7.8 | 0.3 | 0.1 | 0.0 | 8 |
| 9 | 0.0 | 0.2 | 10 | 1.4 | 9.6 | 3.8 | 36 | 19 | 7.3 | 0.3 | 0.1 | 0.0 | 9 |
| 10 | 0.0 | 0.4 | 7.3 | 1.5 | 9.4 | 3.8 | 39 | 29 * | 6.8 | 0.4 | 0.1 | 0.0 | 10 |
| 11 | 0.0 | 0.3 | 5.3 | 1.5 | 8.9 | 20 | 104 | 18 | 6.3 | 0.4 | 0.1 | 0.0 | 11 |
| 12 | 0.0 | 0.3 | 5.0 | 1.5 | 7.6 | 86 | 50 | 16 | 6.3* | 0.3 | 0.0 | 0.0 | 12 |
| 13 | 0.0 | 0.3 | 4.8 | 1.5 | 7.0 | 111 | 37 | 15 | 5.9 | 0.2* | 0.0 | 0.0 | 13 |
| 14 | 0.0 | 0.3 | 4.0 | 1.4 | 7.0 | 74 | 31 | 14 | 5.4 | 0.2 | 0.0 | 0.0 | 14 |
| 15 | 0.0 | 0.4 | 3.9 | 1.4 | 6.1 | 33 | 64 | 14 | 5.0 | 0.2 | 0.0 | 0.0 | 15 |
| 16 | 0.0 | 1.4 | 3.6 | 1.4 | 5.7 | 158 * | 47 | 13 | 4.7 | 0.2 | 0.0 | 0.0 | 16 |
| 17 | 0.0 | 0.5 | 2.9 | 1.3 | 5.2 | 58 | 33 | 12 | 4.3 | 0.2 | 0.0 | 0.0 | 17 |
| 18 | 0.0 | 0.4 | 2.8 | 1.2 | 5.4 | 34 | 206 | 11 | 4.0 | 0.2 | 0.0 | 0.3 | 18 |
| 19 | 0.0 | 0.6 | 2.5 | 1.3 | 5.4 | 27 | 185 | 11 | 3.6 | 0.1 | 0.0 | 0.2 | 19 |
| 20 | 0.0 | 1.7 | 1.9 | 1.5 | 5.3 | 23 | 160 | 11 | 3.1 | 0.1 | 0.0 | 0.1 | 20 |
| 21 | 0.0* | 0.9 | 1.9 | 3.3 | 4.7 | 20 | 153 | 11 | 3.1 | 0.1 | 0.0 | 0.1 | 21 |
| 22 | 0.0 | 1.7 | 1.9 | 12 | 4.5 | 18 | 127 | 9.8 | 2.6 | 0.1 | 0.0 | 0.1 | 22 |
| 23 | 0.0 | 0.9 | 1.8 | 5.1 | 4.9 | 17 | 84 | 9.2 | 2.3 | 0.1 | 0.0 | 0.1 | 23 |
| 24 | 0.0 | 0.7 | 1.9 | 23 | 4.8 | 15 | 86 | 8.6 | 2.3 | 0.1 | 0.0 | 0.1 | 24 |
| 25 | 0.0 | 0.6 | 2.1 | 35 | 12 | 14 | 62 | 8.3 | 2.1 | 0.1 | 0.0 | 0.1 | 25 |
| 26 | 0.0 | 0.6 | 2.3 | 11 | 6.7 | 14 | 53 | 8.0 | 1.7 | 0.1 | 0.0 | 0.1 | 26 |
| 27 | 0.0 | 0.5 | 1.9 | 9.5 | 5.2 | 13 | 50 | 8.1 | 1.5 | 0.2 | 0.0 | 0.1 | 27 |
| 28 | 0.0 | 0.8 | 1.7 | 7.7 | 4.5 | 15 | 46 | 7.7 | 1.1 | 0.2 | 0.0 | 0.1 | 28 |
| 29 | 0.1 | 0.8 | 1.8 | 48 | | 17 | 40 | 8.0 | 1.0 | 0.1 | 0.0 | 0.1 | 29 |
| 30 | 0.1 | 0.7 | 2.0 | 220 E | | 14 | 40 | 8.6 | 0.8 | 0.1 | 0.0 | 0.1 | 30 |
| 31 | 0.1 | | 1.6 | 93 | | 46 | | 8.9 | | 0.1 | 0.0 | | 31 |
| MEAN | 0.0 | 0.6 | 17.5 | 16.0 | 9.1 | 27.9 | 73.6 | 15.7 | 5.3 | 0.3 | 0.0 | 0.1 | MEAN |
| MAX. | 0.1 | 1.7 | 319 E | 220 E | 32 | 158 | 206 | 33 | 11 | 0.7 | 0.1 | 0.3 | MAX. |
| MIN. | 0.0 | 0.1 | 1.0 | 0.5 | 4.5 | 3.3 | 24 | 7.7 | 0.8 | 0.1 | 0.0 | 0.0 | MIN. |
| AC. FT. | 1 | 35 | 1077 | 985 | 507 | 1718 | 4381 | 962 | 302 | 16 | 2 | 3 | AC. FT. |

E — ESTIMATED

NR — NO RECORD

* — DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

— E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | ACRE FEET |
| 13.8 | 939E | 7.92 | 1 | 30 | 1800 | 0.0 | | 10 | 1 | 9989 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | | DATUM OF GAGE | | |
|---|-----------|-----------------------------------|-------------------|----------|--------|------------------|---------------------|--|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M. D. & S. M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | | PERIOD | | REF. DATUM |
| | | | CF5 | GAGE MT. | DATE | | | | FROM | TO | |
| 37 20 27 | 119 53 35 | NE 9 7S 19E | 1180E | 8.87 | 4-3-58 | NOV 57-DATE | | | 1957 | | 0.00 LOCAL |
| Station located 8.7 miles north of Raymond, 11 miles southeast of Mariposa. Tributary to Chowchilla River. Drainage area is 17.1 square miles. Maximum discharge of record from rating curve extended above 408 cfs. Altitude of gage is approximately 1,090 feet (from U. S. Geological Survey topographic map). | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-------------------------------|
| 1967 | B64200 | CHOWCHILLA RIVER NEAR RAYMOND |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|--------|--------|-------|--------|--------|--------|-------|------|------|-------|--------|
| 1 | | 0.0 | 10 | 26 | 554 | 66 * | 565 | 600 E | 170 E | 38 | 6.6 | 1.0 | 1 |
| 2 | | 0.0 | 13 | 25 | 406 | 58 | 590 | 560 E | 160 E | 35 | 6.3 | 1.0 | 2 |
| 3 | * | 0.0* | 490 E | 25 | 327 | 56 | 510 | 540 # | 140 E | 32 | 5.5 | 1.1 | 3 |
| 4 | | 0.0 | 120 E | 25 | 278 | 60 | 559 | 520 E | 145 E | 30 | 5.3 | 1.0 | 4 |
| 5 | | 0.0 | 750 # | 25 | 243 | 56 | 1048 | 505 E | 150 E | 27 | 5.0 | 1.1* | 5 |
| 6 | | 0.0 | 3740 * | 24 * | 213 | 51 | 639 * | 486 | 150 # | 28 | 4.7 | 1.4 | 6 |
| 7 | | 0.0 | 758 | 24 | 173 | 48 | 1630 | 425 | 139 | 27 * | 4.5 | 1.2 | 7 |
| 8 | | 0.0 | 327 | 23 | 153 | 47 | 846 | 425 | 127 | 25 | 4.5 | 1.2 | 8 |
| 9 | | 0.0 | 208 | 22 | 140 | 44 | 633 | 406 | 119 | 23 | 4.5* | 1.2 | 9 |
| 10 | | 0.0 | 141 | 22 | 131 | 41 | 579 E | 496 | 112 | 22 | 4.5 | 1.2 | 10 |
| 11 | | 0.0 | 95 | 22 | 121 | 90 E | 1200 E | 434 | 108 | 21 | 4.3 | 1.3 | 11 |
| 12 | N | 0.0 | 75 | 22 | 114 | 690 E | 860 E | 383 | 106 | 19 | 4.1 | 1.3 | 12 |
| 13 | O | 0.1 | 65 | 22 | 108 | 1280 E | 620 E | 348 | 104 | 18 | 3.7 | 1.3 | 13 |
| 14 | * | 0.0 | 56 | 22 | 101 | 1060 E | 540 E | 331 | 99 | 16 | 3.4 | 1.3 | 14 |
| 15 | | 0.1 | 50 | 21 | 93 | 530 E | 730 E | 323 | 93 | 15 | 3.2 | 1.2 | 15 |
| 16 | F | 0.1 | 50 | 21 | 87 | 1900 # | 740 E | 319 | 87 | 14 | 2.8 | 1.1 | 16 |
| 17 | L | 0.2 | 42 | 21 | 90 | 1000 E | 580 E | 313 | 82 | 15 | 2.7 | 1.2 | 17 |
| 18 | O | 7.3* | 40 | 21 | 82 | 600 E | 1300 E | 301 | 76 | 14 | 2.4 | 1.8 | 18 |
| 19 | W | 5.3 | 38 | 20 * | 78 | 480 E | 1950 E | 286 | 74 | 13 | 2.2 | 2.5 | 19 |
| 20 | | 7.7 | 35 | 20 | 74 | 400 E | 1800 E | 276 | 73 | 13 | 2.0 | 5.3 | 20 |
| 21 | | 22 | 33 | 34 | 70 E | 357 | 1640 E | 265 | 68 | 12 | 1.8 | 4.7 | 21 |
| 22 | | 27 * | 32 * | 268 | 68 E | 334 | 1940 E | 254 | 63 | 12 | 1.6 | 4.0 | 22 |
| 23 | | 33 | 30 | 196 | 65 E | 309 | 1180 E | 237 | 59 | 11 | 1.6 | 3.4 | 23 |
| 24 | | 20 | 29 | 379 | 65 E | 286 | 1340 E | 221 | 57 | 11 | 1.4 | 3.2 | 24 |
| 25 | | 12 | 29 | 645 * | 100 E | 258 | 1000 E | 215 E | 55 | 10 | 1.4 | 3.6 | 25 |
| 26 | | 9.3 | 32 | 344 | 110 E | 245 | 900 E | 200 E | 51 | 9.5 | 1.4 | 3.6 | 26 |
| 27 | | 7.9 | 30 | 238 | 80 | 233 | 820 E | 190 E | 49 | 8.9 | 1.2 | 3.5 | 27 |
| 28 | | 7.5 | 28 | 170 E | 70 | 237 | 850 E | 180 E | 46 | 8.5 | 1.2 | 3.4 | 28 |
| 29 | | 9.8 | 26 | 434 E | | 392 | 680 E | 175 E | 44 | 7.9 | 1.3 | 3.0 | 29 |
| 30 | | 13 | 28 | 1160 # | | 282 E | 700 E | 170 E | 42 | 7.2 | 1.2 | 3.0 | 30 |
| 31 | | | 27 | 1240 | | 406 E | | 170 E | | 7.0 | 1.0 | | 31 |
| MEAN | | 6.1 | 240 | 179 E | 150 | 384 E | 966 E | 340 E | 94.9 | 17.7 | 3.1 | 2.2 | MEAN |
| MAX. | | 33.0 | 3740 | 1240 E | 554 | 1900 E | 1950 E | 600 E | 170 E | 38.0 | 6.6 | 5.3 | MAX. |
| MIN. | | 0.0 | 10.0 | 20.0 | 65.0E | 41.0 | 510 | 170 E | 42.0 | 7.0 | 1.0 | 1.0 | MIN. |
| AC. FT. | | 362 | 14730 | 11030E | 8319 | 23600E | 57460E | 20930E | 5649 | 1091 | 193 | 129 | AC FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

| MEAN DISCHARGE |
|-------------------|
| 198E |

| MAXIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| 7050 | 581.85 | 12 | 6 | 1800 |

| MINIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| 0.0 | | 10 | 1 | 0000 |

| TOTAL ACRE FEET |
|--------------------|
| 143500E |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|--|-----------|-------------------------------|-------------------|----------|--------|------------------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B & M | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 15 36 | 119 56 42 | SE 1 8S 18E | 8500E | 583.9 | 2-1-63 | NOV 59-SEP 62 OCT 66-DATE | | 1959 | | 0.00 | USCGS |
| Station located 6.0 miles northwest of Raymond on Raymond Road. Elevation of station is approximately 600 feet. U. S. Coast and Geodetic Survey datum. This station was installed in cooperation with Madera County and Chowchilla Water District. It is a flood control warning station, equipped with a Stevens Manometer-Servo and Telemark. Prior to 1962, high flow records were insufficient for publication. Discharge measurements and partial flow records are available in DWR files. Drainage area is 201.7 square miles. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|------------------------------|
| 1967 | B00435 | EASTSIDE BYPASS NEAR EL NIDO |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|--------|--------|--------|--------|---------|--------|--------|-------|------|-------|---------|
| 1 | | | 0.0 | 0.0 | 2150 * | 0.0 | 53 | 11000 | 7990 | 1400 | | 0.0 | 1 |
| 2 | | | 0.0 | 0.0 | 1480 | 0.0 | 526 | 10900 | 8110 | 1510 | | 0.0 | 2 |
| 3 | | | 0.0 | 0.0 | 1030 | 0.0 | 587 | 11000 | 8180 | 1640 | | 0.0 | 3 |
| 4 | | | 0.0 | 0.0 | 2020 | 0.0 | 522 | 11000 | 8310 | 1660 | | 0.0 | 4 |
| 5 | | | 0.0 | 0.0 | 2920 * | 0.0 | 460 | 10700 | 8280 | 1720 | | 0.0 | 5 |
| 6 | | | 15 | 0.0 | 3200 * | 0.0 | 1340 | 10700 | 8290 | 2150 | | 0.0 | 6 |
| 7 | | | 2060 * | 0.0 | 3120 * | 0.0 | 1160 | 10400 | 8350 | 2930 | | 0.0 | 7 |
| 8 | | | 2020 * | 0.0 | 2250 * | 0.0 | 2120 | 10000 | 8400 * | 3070 | | 0.0 | 8 |
| 9 | | | 1170 | 0.0 | 1480 | 0.0 | 2090 | 9770 | 8590 | 2960 | | 0.0 | 9 |
| 10 | | | 652 * | 0.0 | 694 * | 0.0 | 1570 * | 9350 | 8590 | 2830 | | 0.0 | 10 |
| 11 | | | 493 | 0.0 | 380 | 0.0 | 1400 | 9290 | 7920 | 2100 | | 0.0 | 11 |
| 12 | N | N | 423 * | 0.0 | 317 | 0.0 | 1910 | 9370 | 7460 | 1050 | N | 0.0 | 12 |
| 13 | O | O | 317 | 0.0 | 264 | 239 | 1930 | 9320 | 6950 | 494 | O | 0.0 | 13 |
| 14 | | | 228 | 0.0 | 239 | 1480 | 1720 | 8940 | 6450 | 362 | | 0.0 | 14 |
| 15 | | | 156 | 0.0 | 226 | 1410 * | 1710 | 8580 | 5940 | 387 | | 0.0 | 15 |
| 16 | F | F | 105 | 0.0 | 154 | 758 | 2490 | 8330 | 5390 | 571 | F | 0.0 | 16 |
| 17 | L | L | 69 | 0.0 | 111 | 1400 | 3270 | 7900 | 4660 | 402 | L | 0.0 | 17 |
| 18 | O | O | 47 | 0.0 | 88 | 1540 | 4050 | 7710 | 4370 | 273 * | O | 0.0 | 18 |
| 19 | W | W | 33 | 0.0 | 65 | 735 | 5660 * | 7570 | 4010 | 397 | W | 0.0 | 19 |
| 20 | | | 18 * | 0.0 | 45 | 438 | 7590 | 7550 | 3650 | 445 | | 0.0 | 20 |
| 21 | | | 7.9 | 0.0 | 40 | 265 | 8060 | 7520 | 3180 | 200 | | 0.0 | 21 |
| 22 | | | 0.8 | 0.0 | 29 | 182 | 9320 | 7510 * | 3140 | 144 | | 0.0 | 22 |
| 23 | | | 0.0 | 0.0 | 20 | 115 * | 11000 | 7300 | 3030 | 105 | | 0.0 | 23 |
| 24 | | | 0.0 | 9.3 | 13 | 81 | 11000 * | 7340 | 2800 | 82 | | 0.0 | 24 |
| 25 | | | 0.0 | 64 | 0.4 | 73 | 11000 | 7330 | 2620 | 55 | | 0.0 | 25 |
| 26 | | | 0.0 | 818 * | 0.0 | 54 | 11100 | 7250 | 2400 | 25 | | 0.0 | 26 |
| 27 | | | 0.0 | 568 | 0.0 | 22 | 10600 | 7270 | 2140 | 4.1 | | 5.9 | 27 |
| 28 | | | 0.0 | 311 | 0.0 | 1.7 | 10300 | 7360 | 1510 | 1.0 | | 4.9 | 28 |
| 29 | | | 0.0 | 313 | 0.2 | 0.2 | 10500 | 7520 | 1250 * | 0.1 | | 4.0 | 29 |
| 30 | | | 0.0 | 572 | 0.4 | 0.4 | 10900 | 7780 | 1280 | 0.0 | | 3.1 | 30 |
| 31 | | | 0.0 | 1690 * | | 11 | | 7940 | | 0.0 | | | 31 |
| MEAN | | | 252 | 140 | 798 | 284 | 4865 | 8758 | 5441 | 934 | | 0.6 | MEAN |
| MAX. | | | 2060 | 1690 | 3200 | 1540 | 11100 | 11000 | 8590 | 3070 | | 5.9 | MAX. |
| MIN. | | | 0.0 | 0.0 | 0.0 | 0.0 | 53 | 7250 | 1250 | 0.0 | | 0.0 | MIN. |
| AC. FT. | | | 15500 | 8619 | 44300 | 17470 | 289500 | 538500 | 323800 | 57460 | | 36 | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

| MEAN | MAXIMUM | MINIMUM | TOTAL |
|-----------|-----------|-----------|-----------|
| DISCHARGE | DISCHARGE | DISCHARGE | ACRE FEET |
| 1789 | 11300 | 0.0 | 1295000 |
| | GAGE HT. | GAGE HT. | |
| | 16.14 | 10 | |
| | MO | DAY | |
| | 4 | 26 | |
| | TIME | TIME | |
| | 1100 | 0000 | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | |
|---|-----------|-------------------------------|-------------------|----------|---------|------------------|---------------------|---------------|------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.O.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | REF. DATUM |
| | | | CFs | GAGE HT. | DATE | | | FROM | TO | |
| 37 08 52 | 120 36 17 | SE13 9S 12E | 11250 | 16.14 | 4-26-67 | DEC 64-DATE | | 1964 | DATE | 90.00 USGS |
| Station located on left bank 2.8 miles downstream from San Joaquin River and 6.4 miles west of El Nido. This station is equipped with a radio telemeter. Recorder installed 12-23-64. | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|------------------------------------|
| 1967 | B62400 | MARIPOSA CREEK NEAR CATHEYS VALLEY |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|-------|------|------|------|------|-------|---------|
| 1 | | 0.0 | 3.8 | 4.8 | 149 | 12 | 102 | 85 | 22 | 3.0 | | | 1 |
| 2 | | 0.0 | 149 | 4.3 | 87 | 11 | 156 | 73 | 21 | 2.7 | | | 2 |
| 3 | | 0.0 | 149 | 4.3 | 63 | 10 | 105 | 68 | 20 | 2.5 | * | | 3 |
| 4 | * | 0.0* | 26 | 4.6 | 46 | 10 | 152 | 67 | 17 | 2.3 | | | 4 |
| 5 | | 0.0 | 443 | 4.6 | 40 | 8.7 | 317 | 65 | 40 | 2.1 | | | 5 |
| 6 | | 0.0 | 1470 | 4.3* | 35 | 9.0* | 160 | 58 | 25 | 2.4 | | * | 6 |
| 7 | | 0.0 | 157 | 4.1 | 31 | 8.7 | 690 | 52 | 21 | 2.3 | | | 7 |
| 8 | | 0.0 | 50 | 3.8 | 27 | 8.4 | 265 | 48 | 19 | 1.9 | | | 8 |
| 9 | | 0.0 | 33 | 4.0 | 24 | 8.1 | 161 | 46 | 16 | 1.8 | | | 9 |
| 10 | | 0.0 | 24 | 3.8 | 22 | 7.8 | 134 | 70 | 15 | 1.7 | | | 10 |
| 11 | | 0.0 | 19 | 4.0 | 20 | 93 | 413 | 53 | 14 | 1.6* | | | 11 |
| 12 | N | 0.0 | 15 | 4.1 | 19 | 552 | 238 | 45 | 13 | 1.3 | N | N | 12 |
| 13 | O | 0.0 | 12 | 4.8 | 18 | 660 | 155 | 42 | 12 | 1.1 | O | O | 13 |
| 14 | | 0.0 | 10 | 4.5 | 16 | 421 | 121 | 39 | 11 | 0.8 | | | 14 |
| 15 | | 0.0 | 9.3 | 4.3 | 14 | 166 | 155 | 37 | 10 | 0.7 | | | 15 |
| 16 | F | 0.0* | 8.4 | 4.1 | 14 | 911 | 126 | 35 | 9.3 | 0.7 | F | F | 16 |
| 17 | L | 0.0 | 7.8 | 4.0 | 13 | 299 | 101 | 33 | 8.7 | 0.8 | L | L | 17 |
| 18 | O | 0.0 | 7.1 | 4.0 | 13 | 144 | 684 | 30 | 7.8 | 0.5 | O | O | 18 |
| 19 | W | 0.0 | 7.3 | 3.8 | 12 | 100 | 676 | 28 | 7.6* | 0.5 | W | W | 19 |
| 20 | | 0.0 | 6.5 | 3.8 | 11 | 83 | 546 | 26 | 7.1 | 0.5 | | * | 20 |
| 21 | * | 2.4 | 6.1 | 7.3 | 11 | 66 | 741 | 24 | 6.5 | 0.4 | | | 21 |
| 22 | | 8.1 | 6.1 | 46 | 10 | 54 | 648 | 23 | 5.9 | 0.4 | | | 22 |
| 23 | | 9.6 | 5.9 | 23 | 10 | 47 | 383 | 23 | 5.5 | 0.3 | | | 23 |
| 24 | | 5.0 | 5.5 | 110 | 10 | 42 | 350 | 22 | 5.2 | 0.2 | | | 24 |
| 25 | | 3.7 | 5.5 | 160 | 34 | 38 | 225 | 21 | 5.0 | 0.1 | | | 25 |
| 26 | | 3.0 | 5.7 | 61 | 23 | 36 | 168 | 20 | 4.6 | 0.1 | | | 26 |
| 27 | | 2.7 | 5.4 | 38 | 15 | 33 | 147 | 20 | 4.3 | 0.1 | | | 27 |
| 28 | | 3.1 | 5.2 | 31 | 13 | 37 | 129 | 19 | 3.8 | 0.1 | | | 28 |
| 29 | | 4.6 | 5.2 | 185 | | 42 | 106 | 19 | 3.7 | 0.1 | | | 29 |
| 30 | | 4.0 | 5.2 | 568 | * | 35 | 94 | 19 | 3.4 | 0.1 | | | 30 |
| 31 | | | 4.8 | 465 | | 99 | | 19 | | 0.0 | | | 31 |
| MEAN | | 1.5 | 86.1 | 57.4 | 28.6 | 131 | 282 | 39.6 | 12.1 | 1.1 | | | MEAN |
| MAX. | | 9.6 | 1470 | 568 | 149 | 911 | 741 | 85 | 40 | 3.0 | | | MAX. |
| MIN. | | 0.0 | 3.8 | 3.8 | 10 | 7.8 | 94 | 19 | 3.4 | 0.0 | | | MIN. |
| AC. FT. | | 92 | 5292 | 3527 | 1587 | 8036 | 16760 | 2438 | 723 | 66 | | | AC. FT. |

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW

- E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|----|-----|------|-----------|----------|----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO | DAY | TIME | DISCHARGE | GAGE HT. | MO | DAY | TIME | ACRE FEET |
| 53.2 | 3820 | 9.72 | 12 | 6 | 0630 | 0.0 | | 10 | 1 | 0000 | 38520 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | | DATUM OF GAGE | | |
|--|-----------|---------------------------------|-------------------|----------|--------|------------------|---------------------|--|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | | PERIOD | | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | | FROM | TO | |
| 37 23 55 | 120 00 10 | NE 21 6S 18E | 7180E | 11.62 | 4-3-58 | NOV 57-DATE | | | 1957 | | 0.00 LOCAL |
| Station located at county road bridge, 5.6 miles east of Catheys Valley School. Tributary to San Joaquin River via Eastside Bypass. Drainage area is 65.7 square miles (revised). Maximum discharge of record from rating curve extended above 4,705 cfs. Altitude of gage is 1,230 feet (from topographic map). | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---|
| 1967 | B62100 | MARIPOSA CREEK BELOW MARIPOSA RESERVOIR |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|-------|------|------|------|------|-------|---------|
| 1 | | | 0 | 6.1 | 601 | 19 | 158 | 132 | 25 | 2.8 | | | 1 |
| 2 | | | 0 | 6.1 | 434 | 18 | 176 | 111 | 29 | 2.4 | | | 2 |
| 3 | | | 22 | 5.8 | 212 | 17 | 209 | 93 | 26 | 1.8 | | | 3 |
| 4 | | | 44 | 5.8 | 106 | 16 | 159 | 86 | 24 | 1.5 | | | 4 |
| 5 | | | 98 | 5.8 | 77 | 15 | 321 | 86 | 23 | 1.3 | | | 5 |
| 6 | | | 567 | 5.5 | 61 | 15 | 333 | 81 | 45 | 1.1 | | | 6 |
| 7 | | | 710 | 5.5 | 47 | 14 | 424 | 81 | 31 | 1.0 | | | 7 |
| 8 | | | 589 | 5.5 | 40 | 14 | 515 | 75 | 24 | 0.9 | | | 8 |
| 9 | | | 302 | 5.5 | 33 | 13 | 399 | 68 | 21 | 0.8 | | | 9 |
| 10 | | | 63 | 5.5 | 29 | 13 | 263 | 77 | 21 | 0.7 | | | 10 |
| 11 | | | 28 | 5.5 | 28 | 15 | 415 | 101 | 20 | 0.7 | | | 11 |
| 12 | N | N | 22 | 5.5 | 25 | 288 | 464 | 77 | 19 | 0.6 | N | N | 12 |
| 13 | O | O | 19 | 5.5 | 24 | 502 | 345 | 64 | 18 | 0.4 | O | O | 13 |
| 14 | | | 16 | 5.5 | 22 | 596 | 214 | 59 | 18 | 0.2 | | | 14 |
| 15 | | | 14 | 5.5 | 21 | 533 | 183 | 55 | 16 | 0 | | | 15 |
| 16 | F | F | 13 | 5.5 | 20 | 472 | 214 | 52 | 15 | 0 | F | F | 16 |
| 17 | L | L | 12 | 5.5 | 19 | 618 | 163 | 48 | 14 | 0 | L | L | 17 |
| 18 | O | O | 11 | 5.5 | 19 | 521 | 322 | 44 | 12 | 0 | O | O | 18 |
| 19 | W | W | 10 | 5.5 | 18 | 320 | 615 | 41 | 11 | 0 | W | W | 19 |
| 20 | | | 9.8 | 6.1 | 18 | 175 | 630 | 38 | 10 | 0 | | | 20 |
| 21 | | | 9.4 | 6.4 | 17 | 118 | 630 | 37 | 9.4 | 0 | | | 21 |
| 22 | | | 8.6 | 11 | 16 | 94 | 675 | 34 | 8.2 | 0 | | | 22 |
| 23 | | | 8.2 | 40 | 16 | 79 | 675 | 33 | 7.0 | 0 | | | 23 |
| 24 | | | 7.8 | 30 | 16 | 68 | 660 | 32 | 6.4 | 0 | | | 24 |
| 25 | | | 7.4 | 261 | 25 | 57 | 605 | 32 | 5.5 | 0 | | | 25 |
| 26 | | | 7.4 | 182 | 45 | 48 | 486 | 29 | 4.9 | 0 | | | 26 |
| 27 | | | 7.4 | 84 | 26 | 44 | 325 | 28 | 4.0 | 0 | | | 27 |
| 28 | | | 7.4 | 47 | 21 | 38 | 238 | 26 | 3.8 | 0 | | | 28 |
| 29 | | | 7.0 | 128 | | 46 | 183 | 25 | 3.8 | 0 | | | 29 |
| 30 | | | 6.7 | 396 | | 51 | 157 | 24 | 3.2 | 0 | | | 30 |
| 31 | | | 6.4 | 644 | | 77 | | 24 | | 0 | | | 31 |
| MEAN | | | 85 | 63 | 73 | 158 | 372 | 58 | 16 | 0.5 | | | MEAN |
| MAX. | | | 710 | 644 | 601 | 618 | 675 | 132 | 45 | 2.8 | | | MAX. |
| MIN. | | | 0 | 5.5 | 16 | 13 | 157 | 24 | 3.2 | 0 | | | MIN. |
| AC. FT. | | | 5224 | 3852 | 4038 | 9747 | 22128 | 3556 | 948 | 32 | | | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | ACRE FEET |
| 68.4 | 740 | | 12 | 7 | 0300 | 0.0 | | 10 | 1 | 49525 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | |
|---|-----------|---------------------------------|-------------------|----------|----------|------------------|---------------------|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | |
| 37 16 52 | 120 09 45 | NE 36 7S 16E | 6020 | | 12-24-55 | NOV 52-DATE | | 1952 | | 337.63 USCGS |
| Station located 1.5 miles downstream from Mariposa Dam. Tributary to San Joaquin River via Eastside Bypass. Flow regulated by Mariposa Reservoir. Records furnished by U. S. Corps of Engineers. Drainage area is 110 square miles. | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|----------------------------------|
| 1967 | B00420 | MARIPOSA BYPASS NEAR CRANE RANCH |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------------------------------|------|------|--------|--------|--------|--------|--------|--------|--------|------|------|-------|---------------------------------|
| 1 | | | | | 2190** | | | 6360** | | | | | 1 |
| 2 | | | | | | | | | | | | | 2 |
| 3 | | | | | | | | | | | | | 3 |
| 4 | | | | | | | 562** | | | | | | 4 |
| 5 | | | | | | | | | | | | | 5 |
| 6 | | | | | 3110** | | | | | | | | 6 |
| 7 | | | | | 3230** | | | | | | | | 7 |
| 8 | | | 2240** | | 2840** | | | | 5470** | | | | 8 |
| 9 | | | | | | | | | | | | | 9 |
| 10 | | | | | 1010** | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | 11 |
| 12 | | | 357** | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | 13 |
| 14 | | | | | | | 1560** | | | | | | 14 |
| 15 | | | | | | 1550** | | | | | | | 15 |
| 16 | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | 17 |
| 18 | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | 6800** | | | | | 19 |
| 20 | | | | | | | | 7230** | | | | | 20 |
| 21 | | | | | | | | | | | | | 21 |
| 22 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 23 |
| 24 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | 4490** | | | | | 25 |
| 26 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 27 |
| 28 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | 1050** | | | | 29 |
| 30 | | | | | | | | | | | | | 30 |
| 31 | | | | 1270** | | | | | | | | | 31 |
| MEAN MAX. MIN. AC. FT. | | | | | | | | | | | | | MEAN MAX. MIN. AC. FT. |

E - ESTIMATED
 NP - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW

H - E AND *
 ** - RESULT OF DISCHARGE MEASUREMENT

| MEAN DISCHARGE | MAXIMUM | | | | | MINIMUM | | | | | TOTAL ACRE FEET |
|-------------------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|--------------------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | |
|---|-----------|---------------------------------|-------------------|----------|------|------------------|---------------------|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | |
| 37 12 00 | 130 41 50 | NW 31 8S 11E | | | | | | 1962 | | 0.00 USCGS |
| This station was installed in January 1962, for the Lower San Joaquin Flood Control Project for the purpose of recording flows diverted into Mariposa Bypass by float-activated electrically operated gates. No continuous water stage recorder is installed to date. Miscellaneous measurements of instantaneous discharge will be presented when appropriate. | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-----------------------------------|
| 1967 | B06170 | OWENS CREEK BELOW OWENS RESERVOIR |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|------|-----|------|------|------|-------|---------|
| 1 | 0 | 0.2 | 0.7 | 1.6 | 87 | 2.7 | 11 | 22 | 3.0 | 0.5 | 0.3 | 0.5 | 1 |
| 2 | 0 | 0.2 | 1.0 | 1.6 | 58 | 2.5 | 8.8 | 19 | 3.4 | 0.5 | 0.3 | 0.5 | 2 |
| 3 | 0 | 0.2 | 1.1 | 1.5 | 16 | 2.4 | 7.4 | 17 | 2.9 | 0.5 | 0.3 | 0.5 | 3 |
| 4 | 0 | 0.2 | 0.8 | 1.5 | 12 | 2.3 | 7.9 | 16 | 2.6 | 0.5 | 0.3 | 0.5 | 4 |
| 5 | 0 | 0.2 | 3.9 | 1.5 | 9.2 | 2.2 | 46 | 14 | 2.5 | 0.5 | 0.3 | 0.5 | 5 |
| 6 | 0 | 0.3 | 79 | 1.3 | 7.4 | 2.0 | 19 | 12 | 2.7 | 0.5 | 0.3 | 0.5 | 6 |
| 7 | 0 | 0.4 | 86 | 1.3 | 5.9 | 2.0 | 75 | 11 | 2.6 | 0.5 | 0.3 | 0.5 | 7 |
| 8 | 0 | 0.3 | 24 | 1.3 | 5.0 | 2.0 | 83 | 10 | 2.4 | 0.5 | 0.3 | 0.5 | 8 |
| 9 | 0 | 0.3 | 4.8 | 1.2 | 4.6 | 2.0 | 44 | 10 | 2.2 | 0.5 | 0.3 | 0.5 | 9 |
| 10 | 0 | 0.3 | 3.6 | 1.2 | 4.2 | 2.0 | 30 | 16 | 1.9 | 0.5 | 0.3 | 0.5 | 10 |
| 11 | 0 | 0.3 | 2.9 | 1.2 | 4.0 | 7.8 | 96 | 12 | 1.9 | 0.5 | 0.3 | 0.5 | 11 |
| 12 | 0 | 0.3 | 2.6 | 1.2 | 3.8 | 29 | 100 | 8.8 | 1.7 | 0.4 | 0.3 | 0.5 | 12 |
| 13 | 0 | 0.3 | 2.5 | 1.2 | 3.6 | 45 | 88 | 7.7 | 1.7 | 0.4 | 0.3 | 0.5 | 13 |
| 14 | 0 | 0.3 | 2.3 | 1.2 | 3.4 | 75 | 44 | 6.8 | 1.6 | 0.4 | 0.3 | 0.5 | 14 |
| 15 | 0 | 0.3 | 2.2 | 1.3 | 3.0 | 33 | 30 | 6.2 | 1.8 | 0.4 | 0.3 | 0.5 | 15 |
| 16 | 0 | 0.5 | 2.1 | 1.3 | 2.9 | 58 | 26 | 6.2 | 1.5 | 0.4 | 0.3 | 0.5 | 16 |
| 17 | 0 | 0.5 | 2.0 | 1.3 | 2.9 | 53 | 19 | 5.6 | 1.4 | 0.4 | 0.3 | 0.5 | 17 |
| 18 | 0 | 0.5 | 2.0 | 1.3 | 2.8 | 23 | 73 | 5.0 | 1.2 | 0.4 | 0.3 | 0.5 | 18 |
| 19 | 0 | 0.5 | 1.9 | 1.3 | 2.8 | 16 | 99 | 4.6 | 1.1 | 0.4 | 0.3 | 0.5 | 19 |
| 20 | 0 | 0.7 | 1.9 | 1.4 | 2.7 | 12 | 100 | 4.6 | 1.0 | 0.4 | 0.4 | 0.5 | 20 |
| 21 | 0 | 0.5 | 1.9 | 1.9 | 2.6 | 8.8 | 94 | 4.4 | 1.0 | 0.4 | 0.4 | 0.5 | 21 |
| 22 | 0 | 0.5 | 1.8 | 3.4 | 2.5 | 7.1 | 100 | 4.0 | 0.9 | 0.4 | 0.4 | 0.5 | 22 |
| 23 | 0 | 0.5 | 1.8 | 3.0 | 2.5 | 6.5 | 93 | 3.8 | 0.9 | 0.4 | 0.4 | 0.5 | 23 |
| 24 | 0 | 0.5 | 1.8 | 14 | 2.5 | 5.6 | 94 | 3.2 | 0.8 | 0.3 | 0.5 | 0.5 | 24 |
| 25 | 0 | 0.5 | 1.7 | 32 | 12 | 4.8 | 94 | 3.2 | 0.7 | 0.3 | 0.5 | 0.5 | 25 |
| 26 | 0 | 0.5 | 1.8 | 8.8 | 5.3 | 4.4 | 78 | 3.0 | 0.6 | 0.3 | 0.5 | 0.5 | 26 |
| 27 | 0 | 0.5 | 1.9 | 4.8 | 3.0 | 4.0 | 42 | 2.9 | 0.6 | 0.4 | 0.5 | 0.5 | 27 |
| 28 | 0 | 0.6 | 1.8 | 4.0 | 2.8 | 3.8 | 34 | 2.9 | 0.5 | 0.4 | 0.5 | 0.5 | 28 |
| 29 | 0.1 | 0.6 | 1.7 | 32 | | 4.4 | 28 | 2.7 | 0.5 | 0.3 | 0.5 | 0.5 | 29 |
| 30 | 0.1 | 0.6 | 1.7 | 56 | | 3.8 | 29 | 2.7 | 0.5 | 0.3 | 0.5 | 0.5 | 30 |
| 31 | 0.2 | | 1.6 | 97 | | 22 | | 2.7 | | 0.3 | 0.5 | | 31 |
| MEAN | 0.0 | 0.4 | 7.9 | 9.1 | 9.8 | 14.5 | 56.4 | 8.1 | 1.6 | 0.4 | 0.4 | 0.5 | MEAN |
| MAX. | 0.2 | 0.7 | 86 | 97 | 87 | 75 | 100 | 22 | 3.4 | 0.5 | 0.5 | 0.5 | MAX. |
| MIN. | 0 | 0.2 | 0.7 | 1.2 | 2.5 | 2.0 | 7.4 | 2.7 | 0.5 | 0.3 | 0.3 | 0.5 | MIN. |
| AC. FT. | 1 | 24 | 490 | 562 | 544 | 891 | 3358 | 496 | 95 | 26 | 22 | 30 | AC. FT. |

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

H - E AND *

| MEAN | | MAXIMUM | | | | | MINIMUM | | | | | TOTAL | |
|-----------|--|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|--|
| DISCHARGE | | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET | |
| 9.0 | | 100 | | 1 | 31 | 1430 | 0.0 | | 10 | 1 | 0000 | 6540 | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | | DATUM OF GAGE | | |
|----------|-----------|---------------------------------|-------------------|----------|----------|------------------|---------------------|--|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | | PERIOD | | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | | FROM | TO | |
| 37 18 28 | 120 11 35 | SW 23 75 16E | 590 | | 12-24-55 | FEB 50-DATE | | | 1950 | | 338.22 USCGS |

Station located 0.25 mile downstream from Owens Dam. Tributary to San Joaquin River via Eastside Bypass. Flow regulated by Owens Reservoir. Records furnished by U. S. Corps of Engineers. Drainage area is 25.6 square miles.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|--------------------------------|
| 1967 | B55400 | BEAR CREEK NEAR CATHEYS VALLEY |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|-------|-------|------|-------|-------|------|------|------|------|-------|---------|
| 1 | | | 0.0 | 0.8 | 106 | 3.0 | 63 | 13 | 2.3 | | | | 1 |
| 2 | | | 59 | 0.8 | 46 | 2.8 | 111 | 11 | 2.2 | | | | 2 |
| 3 | | | 98 | 0.7 | 25 | 2.5 | 72 | 9.8 | 2.1 | | | | 3 |
| 4 | | | 15 | 0.8 | 17 | 2.4 | 115 | 8.8 | 1.8 | | | | 4 |
| 5 | | | 283 * | 0.7 | 12 | 2.2 | 242 | 8.1 | 6.5 | | | | 5 |
| 6 | | | 766 * | 0.7 | 9.3 | 2.0* | 136 | 7.4 | 3.6 | | | | 6 |
| 7 | | | 118 | 0.7 | 7.6 | 1.8 | 595 * | 6.3 | 2.6 | | | | 7 |
| 8 | | | 34 | 0.6 | 5.9 | 1.6 | 174 | 6.0 | 2.2 | | | | 8 |
| 9 | | | 16 | 0.6 | 5.2* | 1.5 | 105 | 5.5 | 1.9* | | | | 9 |
| 10 | | | 10 | 0.6 | 4.9 | 1.2 | 96 | 12 * | 1.8 | | | | 10 |
| 11 | | | 7.5 | 0.5* | 4.5 | 54 | 361 | 7.8 | 1.6 | | | | 11 |
| 12 | N | N | 5.7 | 0.4 | 3.9 | 234 | 173 | 6.0 | 1.5 | N | N | N | 12 |
| 13 | O | O | 4.6 | 0.5 | 3.6 | 247 * | 98 | 5.2 | 1.3 | O | O | O | 13 |
| 14 | | | 3.7 | 0.5 | 3.1 | 192 | 59 | 4.6 | 1.2 | | | | 14 |
| 15 | | | 3.1 | 0.5 | 2.7 | 104 | 75 | 4.3 | 1.0 | | | | 15 |
| 16 | F | F | 2.7 | 0.5 | 2.6 | 305 * | 70 | 3.9 | 0.9 | F | F | F | 16 |
| 17 | L | L | 2.4 | 0.5 | 2.3 | 161 | 42 | 3.4 | 0.8 | L | L | L | 17 |
| 18 | O | O | 2.0 | 0.5 | 2.1 | 93 | 472 | 3.2 | 0.6 | O | O | O | 18 |
| 19 | W | W | 1.8 | 0.5 | 2.0 | 52 | 309 | 2.9 | 0.5* | W | W | W | 19 |
| 20 | | | 1.8 | 0.5 | 1.9 | 36 | 156 | 2.6 | 0.4 | | | | 20 |
| 21 | | | 1.7 | 1.0 | 1.8 | 27 | 202 | 2.3 | 0.4 | | | | 21 |
| 22 | | | 1.6 | 26 | 1.6 | 23 | 252 | 2.2 | 0.3 | | | | 22 |
| 23 | | | 1.5 | 13 | 1.5 | 19 | 152 | 1.9 | 0.2 | | | | 23 |
| 24 | | | 1.3 | 109 * | 1.5 | 16 | 161 | 1.7 | 0.2 | | | | 24 |
| 25 | | | 1.2 | 94 | 7.7 | 13 | 105 | 1.6 | 0.2 | | | | 25 |
| 26 | | | 1.2 | 30 | 6.5 | 12 | 59 * | 1.6 | 0.1 | | | | 26 |
| 27 | | | 1.1 | 17 | 4.2 | 11 | 44 | 1.6 | 0.1 | | | | 27 |
| 28 | | | 1.0 | 12 | 3.5 | 11 | 31 | 1.6 | 0.1 | | | | 28 |
| 29 | | | 1.0 | 158 | | 13 | 22 | 1.5 | 0.1 | | | | 29 |
| 30 | | | 1.0 | 375 | | 11 | 16 | 1.5 | 0.1 | | | | 30 |
| 31 | | | 0.9 | 230 | | 50 | | 1.5 | | | | | 31 |
| MEAN | | | 46.7 | 34.7 | 10.6 | 55.0 | 152 | 4.9 | 1.3 | | | | MEAN |
| MAX. | | | 766 | 375 | 106 | 305 | 595 | 13 | 6.5 | | | | MAX. |
| MIN. | | | 0.0 | 0.4 | 1.5 | 1.2 | 16 | 1.5 | 0.1 | | | | MIN. |
| AC. FT. | | | 2872 | 2136 | 587 | 3382 | 9060 | 299 | 77 | | | | AC. FT. |

E — ESTIMATED

NR — NO RECORD

* — DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

— E AND R

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|----|-----|------|-----------|----------|----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO | DAY | TIME | DISCHARGE | GAGE HT. | MO | DAY | TIME | ACRE FEET |
| 25.4 | 1810 | 7.94 | 4 | 7 | 0430 | 0.0 | | 10 | 1 | 0000 | 18410 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|-------------------------------|-------------------|----------|--------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 28 38 | 120 06 43 | SW 21 5S 17E | 4170E | 10.07 | 2-1-63 | DEC 57-DATE | | 1957 | | 0.00 | LOCAL |
| Station located at county road bridge, 3.7 miles north of Catheys Valley School. Tributary to San Joaquin River via Eastside Bypass. Drainage area is 24.9 square miles. Altitude of gage is approximately 1,210 feet (from topographic map). Peak discharge estimated based on rating curve extended above discharge 1442 cfs. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---------------------------------|
| 1967 | B05570 | BEAR CREEK BELOW BEAR RESERVOIR |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|-------|------|------|------|------|-------|---------|
| 1 | | | 0 | 3 | 215 | 8 | 64 | 58 | 8.0 | | | | 1 |
| 2 | | | 0 | 3 | 92 | 7 | 76 | 47 | 10 | | | | 2 |
| 3 | | | 42 | 2 | 60 | 6 | 86 | 42 | 10 | | | | 3 |
| 4 | | | 39 | 2 | 44 | 6 | 54 | 38 | 8.5 | | | | 4 |
| 5 | | | 129 | 2 | 35 | 6 | 290 | 37 | 7.0 | | | | 5 |
| 6 | | | 952 | 2 | 27 | 5 | 138 | 36 | 10 | | | | 6 |
| 7 | | | 634 | 2 | 22 | 5 | 703 | 35 | 11 | | | | 7 |
| 8 | | | 78 | 2 | 19 | 5 | 332 | 34 | 7.5 | | | | 8 |
| 9 | | | 40 | 2 | 15 | 5 | 125 | 32 | 5.5 | | | | 9 |
| 10 | | | 24 | 2 | 14 | 5 | 88 | 46 | 4.6 | | | | 10 |
| 11 | | | 15 | 2 | 12 | 5 | 611 | 50 | 4.3 | | | | 11 |
| 12 | N | N | 11 | 2 | 10 | 152 | 324 | 36 | 3.8 | N | N | N | 12 |
| 13 | O | O | 8 | 2 | 9 | 366 | 149 | 32 | 3.6 | O | O | O | 13 |
| 14 | | | 6 | 2 | 8 | 319 | 94 | 32 | 3.4 | | | | 14 |
| 15 | | | 6 | 2 | 7 | 134 | 86 | 32 | 3.0 | | | | 15 |
| 16 | F | F | 5 | 2 | 6 | 285 | 107 | 32 | 2.6 | F | F | F | 16 |
| 17 | L | L | 4 | 2 | 6 | 236 | 75 | 31 | 2.0 | L | L | L | 17 |
| 18 | O | O | 4 | 2 | 6 | 110 | 594 | 29 | 1.6 | O | O | O | 18 |
| 19 | W | W | 4 | 2 | 6 | 69 | 815 | 27 | 1.3 | W | W | W | 19 |
| 20 | | | 3 | 2 | 5 | 49 | 312 | 24 | 1.0 | | | | 20 |
| 21 | | | 3 | 3 | 5 | 38 | 250 | 24 | 0.8 | | | | 21 |
| 22 | | | 3 | 7 | 5 | 31 | 496 | 22 | 0.7 | | | | 22 |
| 23 | | | 3 | 27 | 5 | 28 | 304 | 19 | 0.6 | | | | 23 |
| 24 | | | 3 | 67 | 5 | 23 | 394 | 16 | 0.5 | | | | 24 |
| 25 | | | 3 | 171 | 13 | 20 | 215 | 14 | 0.4 | | | | 25 |
| 26 | | | 3 | 64 | 26 | 19 | 153 | 13 | 0.2 | | | | 26 |
| 27 | | | 3 | 36 | 16 | 17 | 111 | 11 | 0.1 | | | | 27 |
| 28 | | | 3 | 25 | 10 | 15 | 96 | 10 | 0 | | | | 28 |
| 29 | | | 3 | 177 | | 16 | 80 | 9 | 0 | | | | 29 |
| 30 | | | 3 | 419 | | 17 | 69 | 9 | 0 | | | | 30 |
| 31 | | | 3 | 800 | | 28 | | 8 | | | | | 31 |
| MEAN | | | 66 | 59 | 25 | 66 | 243 | 28 | 3.7 | | | | MEAN |
| MAX. | | | 952 | 800 | 215 | 366 | 815 | 58 | 11 | | | | MAX. |
| MIN. | | | 0 | 2 | 5 | 5 | 54 | 8 | 0 | | | | MIN. |
| AC. FT. | | | 4040 | 3646 | 1394 | 4036 | 14462 | 1755 | 222 | | | | AC. FT. |

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 H - E AND *

| MEAN | MAXIMUM | MINIMUM | TOTAL |
|-----------|--------------|--------------|-----------|
| DISCHARGE | DISCHARGE | DISCHARGE | ACRE FEET |
| 41 | 1220 | 0.0 | 29555 |
| | GAGE HT. | GAGE HT. | |
| | 12 6 2030 | 10 1 0000 | |
| | MO. DAY TIME | MO. DAY TIME | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | | DATUM OF GAGE | | |
|--|-----------|---------------------------------|-------------------|----------|----------|------------------|---------------------|--|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | | PERIOD | | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | | FROM | TO | |
| 37 21 27 | 120 14 05 | NE 5 7S 16E | 4460 | | 12-24-55 | JAN 55-DATE | | | 1955 | | 320.50 USCGS |
| Station located approximately 0.75 mile downstream from Bear Dam. Tributary to San Joaquin River via Eastside Bypass. Flow regulated by Bear Reservoir. Records furnished by U. S. Corps of Engineers. Drainage area is 72.1 square miles. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-------------------------|
| 1967 | B56400 | BURNS CREEK AT HORNITOS |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|-------|------|------|-------|-------|------|------|------|------|-------|---------|
| 1 | | | 0.0 | 0.9 | 39 | 2.5 | 9.3 | 4.6E | 1.6 | 0.2 | | | 1 |
| 2 | | | 5.2 | 1.0 | 20 | 2.5 | 12 | 3.4E | 1.6 | 0.2 | | | 2 |
| 3 | | | 7.7 | 1.0 | 14 | 2.3 | 7.9 | 3.1E | 1.6 | 0.2 | | | 3 |
| 4 | * | * | 0.9 | 0.9 | 11 | 2.2 | 54 | 3.1E | 1.4 | 0.1 | | | 4 |
| 5 | | | 174 * | 0.9 | 8.8 | 2.2 | 97 | 3.1E | 2.2 | 0.1 | | | 5 |
| 6 | | | 569 * | 0.9 | 7.4 | 1.9* | 162 | 3.1E | 2.2 | 0.2 | | | 6 |
| 7 | | | 43 | 0.9 | 5.6 | 1.6 | 410 * | 3.8E | 1.8 | 0.2 | | | 7 |
| 8 | | | 15 | 0.8 | 4.9 | 1.1 | 54 | 4.2E | 1.8* | 0.2 | | | 8 |
| 9 | | | 10 | 0.8 | 3.9* | 0.9 | 31 | 5.1# | 1.4 | 0.1 | | | 9 |
| 10 | | | 7.3 | 0.7 | 3.4 | 0.6 | 141 | 10 | 1.4 | 0.1 | | | 10 |
| 11 | | | 4.4 | 0.7* | 2.8 | 24 | 307 | 5.5 | 1.2 | 0.1* | | | 11 |
| 12 | N | N | 3.4 | 0.7 | 2.9 | 233 | 55 | 4.0 | 1.2 | 0.1 | N | N | 12 |
| 13 | O | O | 3.1 | 0.7 | 2.8 | 166 * | 30 E | 3.8 | 1.2 | 0.1 | O | O | 13 |
| 14 | | | 2.6 | 0.7 | 2.3 | 71 | 20 E | 3.1 | 1.2 | 0.1 | | | 14 |
| 15 | | | 2.5 | 0.7 | 1.8 | 26 | 35 E | 2.9 | 1.0 | 0.1 | | | 15 |
| 16 | F | F | 2.2 | 0.7 | 1.7 | 171 * | 30 E | 2.5 | 0.9 | 0.0 | F | F | 16 |
| 17 | L | L | 1.9 | 0.7 | 1.7 | 40 | 20 E | 2.1 | 0.8 | 0.0 | L | L | 17 |
| 18 | O | O | 1.6 | 0.7 | 1.7 | 22 | 510 E | 1.7 | 0.8 | 0.0 | O | O | 18 |
| 19 | W | W | 1.5 | 0.7 | 1.6 | 16 | 260 E | 1.7 | 0.8 | 0.0 | W | W | 19 |
| 20 | | | 1.6 | 0.8 | 1.6 | 12 | 80 E | 1.6 | 0.7 | 0.0 | | | 20 |
| 21 | | | 1.5 | 1.6 | 1.4 | 9.6 | 180 E | 1.4 | 0.7 | 0.0 | | | 21 |
| 22 | | | 1.3 | 43 | 1.5 | 8.5 | 210 E | 1.3 | 0.7 | 0.0 | | | 22 |
| 23 | | | 1.1 | 4.9 | 1.5 | 7.0 | 130 E | 0.7 | 0.6 | 0.0 | | | 23 |
| 24 | | | 1.1 | 90 * | 1.3 | 5.6 | 130 E | 1.0 | 0.6 | 0.0 | | | 24 |
| 25 | | | 1.3 | 22 | 36 | 5.2 | 70 E | 1.1 | 0.5 | 0.0 | | | 25 |
| 26 | | | 1.5 | 9.0 | 6.6 | 4.4 | 35 E | 1.1 | 0.5 | 0.0 | | | 26 |
| 27 | | | 1.4 | 5.0 | 3.8 | 3.7 | 30 E | 1.1 | 0.5 | 0.0 | | | 27 |
| 28 | | | 1.2 | 3.7 | 3.1 | 4.4 | 20 E | 1.0 | 0.3 | 0.0 | | | 28 |
| 29 | | | 1.0 | 132 | | 4.9 | 10 E | 1.0 | 0.3 | 0.0 | | | 29 |
| 30 | | | 0.9 | 327 | | 4.1 | 5.6E | 0.9 | 0.2 | 0.0 | | | 30 |
| 31 | | | 0.9 | 156 | | 11 | | 1.2 | | 0.0 | | | 31 |
| MEAN | | | 28.1 | 26.1 | 6.9 | 28.0 | 105 E | 2.7E | 1.1 | 0.1 | | | MEAN |
| MAX. | | | 569 | 327 | 39 | 233 | 510 E | 10 | 2.2 | 0.2 | | | MAX. |
| MIN. | | | 0.0 | 0.7 | 1.3 | 0.6 | 5.6E | 0.7 | 0.2 | 0.0 | | | MIN. |
| AC. FT. | | | 1726 | 1607 | 385 | 1720 | 6240E | 167E | 63 | 4 | | | AC. FT. |

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

- E AND *

| MEAN | MAXIMUM | | | | MINIMUM | | | | TOTAL |
|-----------|-----------|---------|----|------|-----------|---------|----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT | MO | DAY | DISCHARGE | GAGE HT | MO | DAY | ACRE FEET |
| 16.5E | 1870 | 6.81 | 1 | 30 | 0.0 | | 10 | 1 | 11910E |
| | | | | 1650 | | | | 0000 | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|------------------------------|-------------------|---------|---------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT | DATE | | | FROM | TO | | |
| 37 29 42 | 120 14 17 | SE17 5S 16E | 9200E | 10.66 | 2-15-62 | DEC 58-DATE | | 1958 | | 0.00 | LOCAL |

Station located 130 feet south of Stockton-Mariposa road, 0.2 mile southwest of Hornitos. Tributary to San Joaquin River via Bear Creek. Drainage area is 26.7 square miles. Maximum discharge of record from rating curve extended above 398 cfs. by slope-area measurement of peak flow. Altitude of gage is approximately 780 feet (from U. S. Geological Survey topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-----------------------------------|
| 1967 | B56100 | BURNS CREEK BELOW BURNS RESERVOIR |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|-------|-----|------|------|------|-------|---------|
| 1 | | | 0 | 2.4 | 141 | 12 | 21 | 35 | 3.0 | | | | 1 |
| 2 | | | 0 | 1.8 | 67 | 10 | 21 | 31 | 4.5 | | | | 2 |
| 3 | | | 30 | 1.2 | 50 | 9.5 | 22 | 28 | 5.5 | | | | 3 |
| 4 | | | 0.4 | 0.6 | 49 | 9.5 | 21 | 25 | 6.5 | | | | 4 |
| 5 | | | 104 | 0.6 | 35 | 8.5 | 129 | 23 | 5.5 | | | | 5 |
| 6 | | | 777 | 1.2 | 29 | 8.5 | 52 | 20 | 5.0 | | | | 6 |
| 7 | | | 217 | 0.6 | 25 | 7.5 | 780 | 18 | 5.0 | | | | 7 |
| 8 | | | 54 | 0.5 | 22 | 7.5 | 152 | 16 | 5.0 | | | | 8 |
| 9 | | | 33 | 0.6 | 19 | 7.0 | 68 | 15 | 5.0 | | | | 9 |
| 10 | | | 23 | 0.5 | 18 | 6.5 | 104 | 18 | 5.0 | | | | 10 |
| 11 | | | 18 | 0.5 | 16 | 8.0 | 848 | 20 | 3.0 | | | | 11 |
| 12 | N | N | 14 | 0.5 | 15 | 136 | 138 | 18 | 2.4 | N | N | N | 12 |
| 13 | O | O | 12 | 0.5 | 14 | 288 | 73 | 13 | 2.4 | O | O | O | 13 |
| 14 | | | 10 | 0.5 | 13 | 225 | 52 | 13 | 0.5 | | | | 14 |
| 15 | | | 9.5 | 0.4 | 12 | 60 | 53 | 13 | 0 | | | | 15 |
| 16 | F | F | 8.5 | 0.4 | 12 | 241 | 65 | 12 | 0 | F | F | F | 16 |
| 17 | L | L | 8.5 | 0.4 | 11 | 110 | 43 | 12 | 0 | L | L | L | 17 |
| 18 | O | O | 7.5 | 0.3 | 10 | 52 | 655 | 10 | 0 | O | O | O | 18 |
| 19 | W | W | 6.5 | 0.3 | 10 | 40 | 505 | 9.5 | 0 | W | W | W | 19 |
| 20 | | | 6.5 | 0.4 | 10 | 32 | 199 | 9.5 | 0 | | | | 20 |
| 21 | | | 6.0 | 0.6 | 9.0 | 26 | 348 | 9.5 | 0 | | | | 21 |
| 22 | | | 6.0 | 20 | 8.5 | 22 | 452 | 8.5 | 0 | | | | 22 |
| 23 | | | 5.5 | 26 | 8.5 | 19 | 216 | 6.5 | 0 | | | | 23 |
| 24 | | | 5.0 | 121 | 8.0 | 17 | 522 | 6.5 | 0 | | | | 24 |
| 25 | | | 5.0 | 152 | 49 | 15 | 149 | 5.5 | 0 | | | | 25 |
| 26 | | | 5.0 | 43 | 33 | 14 | 88 | 5.5 | 0 | | | | 26 |
| 27 | | | 5.0 | 28 | 19 | 14 | 66 | 5.0 | 0 | | | | 27 |
| 28 | | | 4.0 | 22 | 14 | 12 | 56 | 4.5 | 0 | | | | 28 |
| 29 | | | 3.5 | 201 | | 12 | 46 | 4.5 | 0 | | | | 29 |
| 30 | | | 3.5 | 546 | | 12 | 42 | 4.5 | 0 | | | | 30 |
| 31 | | | 3.5 | 692 | | 16 | | 4.5 | | | | | 31 |
| MEAN | | | 45 | 60 | 26 | 47 | 200 | 14 | 1.9 | | | | MEAN |
| MAX. | | | 777 | 692 | 141 | 288 | 848 | 35 | 6.5 | | | | MAX. |
| MIN. | | | 0 | 0.3 | 8.0 | 6.5 | 21 | 4.5 | 0 | | | | MIN. |
| AC. FT. | | | 2760 | 3701 | 1442 | 2891 | 11873 | 841 | 116 | | | | AC. FT. |

E — ESTIMATED

NR — NO RECORD

* — DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

H — E AND *

| MEAN |
|-----------|
| DISCHARGE |
| 32.6 |

| MAXIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| 1250 | | 4 | 11 | 0800 |

| MINIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| 0.0 | | 10 | 1 | 0000 |

| TOTAL |
|-----------|
| ACRE FEET |
| 23625 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | |
|--|-----------|-------------------------------|-------------------|----------|----------|------------------|---------------------|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | |
| 37 22 27 | 120 16 35 | NE 36 6S 15E | 2590 | | 12-24-53 | APR 50-DATE | | 1950 | | 260.60 USCGS |
| Station located 0.5 mile downstream from Burns Dam. Tributary to San Joaquin River via Bear Creek. Flow regulated by Burns Reservoir. Records furnished by U. S. Corps of Engineers. Drainage area is 73.8 square miles. | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|----------------------------------|
| 1967 | B07400 | SAN JOAQUIN RIVER NEAR STEVINSON |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|--------|-------|--------|--------|---------|---------|--------|--------|------|-------|---------|
| 1 | 30 | 6.2 | 5.6 | 17 | 3140 | 68 | 112 | 11900 | 8680 | 1540 | 143 | 183 | 1 |
| 2 | 28 | 5.9 | 6.3 | 15 | 3610 | 64 | 111 | 11700 | 8710 | 1600 | 138 | 176 | 2 |
| 3 | 28 | 5.9* | 6.2 | 12 | 2560 | 57 * | 518 | 11500 * | 8790 | 1680 | 124 | 176 | 3 |
| 4 | 27 * | 5.8 | 6.9 | 10 | 1860 | 47 | 756 | 11600 | 8940 | 1760 | 118 | 189 | 4 |
| 5 | 24 | 5.7 | 26 | 16 | 2170 | 43 | 695 | 11400 | 9050 * | 1770 * | 133 | 214 | 5 |
| 6 | 22 | 6.3 | 56 | 14 | 2810 * | 40 | 807 * | 11200 | 9000 | 1840 | 135 | 225 * | 6 |
| 7 | 22 | 6.4 | 503 * | 25 | 3270 | 37 | 1600 | 11100 | 9000 | 2280 | 147 | 210 | 7 |
| 8 | 24 | 5.8 | 2200 * | 31 | 3390 * | 38 | 2090 | 10800 | 9000 | 2920 | 173 | 178 | 8 |
| 9 | 28 | 5.4 | 2620 | 23 | 2780 | 36 | 3360 | 10500 | 8970 | 3100 | 168 | 175 | 9 |
| 10 | 21 | 5.6 | 1710 | 15 | 1780 | 35 | 3370 | 10200 | 9260 | 3200 | 207 | 178 | 10 |
| 11 | 18 | 5.4 | 1100 | 12 * | 1040 | 37 | 2730 | 9970 | 8940 | 2950 | 210 | 183 | 11 |
| 12 | 16 | 5.5 | 788 * | 14 | 751 | 45 | 2880 | 9940 | 8360 | 1860 | 205 | 191 | 12 |
| 13 | 13 | 5.3 | 617 | 15 | 619 | 63 | 3700 | 10000 | 7840 | 1090 | 198 | 208 | 13 |
| 14 | 12 | 5.0 | 483 | 19 | 518 | 595 | 3420 | 9920 | 7290 | 826 | 205 | 193 | 14 |
| 15 | 11 | 5.0 | 374 | 18 | 449 | 1910 | 2850 | 9580 | 6720 | 589 | 186 | 198 | 15 |
| 16 | 10 | 5.2 | 270 | 19 | 383 | 2000 | 2610 | 9180 | 6000 | 670 | 175 | 205 | 16 |
| 17 | 11 | 5.5 | 198 | 19 | 281 | 1650 | 3070 | 8850 | 5200 | 771 | 162 | 216 | 17 |
| 18 | 10 | 5.4 | 122 | 16 | 215 | 2490 | 3810 * | 8490 | 4550 | 579 | 130 | 234 | 18 |
| 19 | 9.8 | 6.0 | 81 | 14 | 174 | 2440 | 4620 | 8180 | 4250 | 465 | 119 | 273 * | 19 |
| 20 | 9.3 | 8.2 | 74 | 14 | 145 | 1500 * | 6960 * | 8030 | 3980 | 620 | 122 | 253 | 20 |
| 21 | 9.3 | 6.8 | 52 | 20 | 123 | 1000 | 10200 | 8020 | 3510 * | 564 | 114 | 208 | 21 |
| 22 | 9.3 | 6.0 | 42 | 24 | 109 | 665 | 11000 | 7980 | 3180 | 358 | 109 | 184 | 22 |
| 23 | 8.9 | 5.5 | 35 | 27 | 100 | 493 | 12300 | 8010 | 3140 | 276 | 104 | 196 | 23 |
| 24 | 8.4 | 5.7 | 29 | 43 | 90 | 383 | 13100 * | 7670 | 3080 | 265 | 110 | 216 | 24 |
| 25 | 7.1 | 5.6 | 24 | 114 * | 81 | 298 | 13300 | 7740 | 2880 | 282 | 120 | 257 | 25 |
| 26 | 7.1 | 6.1 | 18 | 418 * | 74 | 241 | 13300 | 7680 | 2660 | 228 | 141 | 236 | 26 |
| 27 | 7.1 | 5.7 | 15 | 800 | 73 | 207 | 13000 | 7630 | 2350 | 191 | 165 | 228 | 27 |
| 28 | 7.1 | 6.7 | 13 | 747 | 74 | 183 | 12100 | 7640 | 1940 | 171 | 171 | 246 | 28 |
| 29 | 6.7 | 6.2 | 23 | 526 | 154 | 154 | 12100 | 7800 | 1560 | 162 | 188 | 230 | 29 |
| 30 | 6.3 | 5.4 | 24 | 606 | 132 | 132 | 12000 | 7970 | 1480 | 156 | 170 | 234 | 30 |
| 31 | 6.3 | | 21 | 1360 | 115 | 115 | | 8310 | | 151 | 178 | | 31 |
| MEAN | 14.8 | 5.8 | 372 | 162 | 1103 | 551 | 5749 | 9371 | 5944 | 1126 | 154 | 210 | MEAN |
| MAX. | 30 | 8.2 | 2620 | 1360 | 3610 | 2490 | 13300 | 11900 | 9260 | 3200 | 210 | 273 | MAX. |
| MIN. | 6.3 | 5.0 | 5.6 | 10 | 73 | 35 | 111 | 7630 | 1480 | 151 | 104 | 175 | MIN. |
| AC. FT. | 908 | 348 | 22900 | 9963 | 61270 | 33850 | 342100 | 576200 | 353700 | 69250 | 9457 | 12480 | AC. FT. |

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

- E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 2061 | 13300 | 75.00 | 4 | 26 | 0820 | 4.8 | 60.30 | 11 | 14 | 0900 | 1492000 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|--|-----------|------------------------------|-------------------|----------|---------|------------------|---------------------|---------------|----|--------------------|--------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T & R. M.O.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF DATUM |
| | | | CF5 | GAGE HT. | DATE | | | FROM | TO | | |
| 37 17 42 | 120 51 00 | 26 7S 10E | 13300 | 75.00 | 4-26-67 | OCT 61-DATE | MAY 61-SEP 61 | 1961 | | 0.00 | USCGS |
| Station located on bridge 2.3 miles south of Stevinson on Lander Avenue. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|------------------------------|
| 1967 | B00975 | PANOCHÉ DRAIN NEAR DOS PALOS |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|------|------|------|------|------|-------|---------|
| 1 | 18 | 20 | 16 | 17 | 24 | 37 | 60 | 17 | 61 | 47 | 49 | 48 | 1 |
| 2 | 18 | 19 | 17 | 18 | 22 * | 37 * | 61 | 17 | 62 | 46 | 41 | 49 | 2 |
| 3 | 20 * | 23 | 20 | 16 * | 21 | 43 | 57 | 23 | 62 | 45 * | 46 | 49 | 3 |
| 4 | 19 | 21 | 21 | 15 | 23 | 43 | 51 | 23 | 61 | 45 | 45 | 44 | 4 |
| 5 | 21 | 20 | 35 | 14 | 21 | 43 | 49 | 24 | 60 | 48 | 42 | 46 | 5 |
| 6 | 17 | 18 | 63 | 14 | 18 | 42 | 39 | 29 | 57 | 50 | 48 | 45 | 6 |
| 7 | 17 | 23 | 65 | 14 | 19 | 45 | 39 | 28 | 51 | 52 | 52 | 44 * | 7 |
| 8 | 16 | 18 | 48 | 12 | 21 | 42 | 33 | 28 * | 44 | 56 | 58 | 42 | 8 |
| 9 | 17 | 19 | 23 | 12 | 25 | 46 | 28 | 41 | 45 | 56 | 59 | 44 | 9 |
| 10 | 16 | 18 | 19 | 15 | 25 | 48 | 32 | 37 | 45 | 58 | 52 | 45 | 10 |
| 11 | 15 | 23 | 18 | 14 | 24 | 47 | 38 | 37 | 44 | 60 | 50 | 40 | 11 |
| 12 | 16 | 25 | 18 | 15 | 20 | 59 | 35 | 36 | 44 | 62 | 54 | 42 | 12 |
| 13 | 16 | 21 | 19 | 15 | 22 | 63 | 32 * | 43 | 46 | 60 | 58 | 37 | 13 |
| 14 | 16 | # | 21 | 18 | 19 | 60 | 31 | 47 | 46 | 56 | 57 | 35 | 14 |
| 15 | 17 E | 19 | 18 | 16 | 21 | 55 | 35 | 52 | 52 | 54 | 55 | 38 | 15 |
| 16 | 13 E | 22 | 19 | 17 | 24 | 48 | 33 | 53 | 55 | 58 | 51 | 38 | 16 |
| 17 | 15 E | 18 | 19 | 16 | 29 | 48 | 32 | 55 | 58 | 58 | 49 | 32 | 17 |
| 18 | 17 E | 16 * | 19 | 16 | 30 | 48 | 36 | 56 | 54 | 50 * | 50 | 30 | 18 |
| 19 | 13 E | 20 | 19 | 16 | 31 | 47 | 36 | 58 | 48 | 32 | 53 | 31 * | 19 |
| 20 | 16 E | 17 | 19 * | 18 | 30 | 46 | 36 | 58 | 48 | 44 | 52 | 26 | 20 |
| 21 | 19 # | 15 | 18 | 20 | 35 | 48 | 29 | 57 | 48 | 50 | 50 | 20 | 21 |
| 22 | 15 | 15 | 17 | 22 | 38 | 51 | 23 | 57 * | 49 | 51 | 56 * | 18 | 22 |
| 23 | 15 | 13 | 17 | 20 | 38 | 52 * | 20 | 59 | 52 | 52 | 57 | 17 | 23 |
| 24 | 16 | 15 | 17 | 36 | 36 | 54 | 19 | 60 | 52 | 57 | 51 | 18 | 24 |
| 25 | 18 | 15 | 15 | 50 | 35 | 53 | 18 | 63 | 47 | 56 | 48 | 14 | 25 |
| 26 | 16 | 13 | 14 | 37 | 35 | 52 | 20 | 63 | 46 | 51 | 46 | 15 | 26 |
| 27 | 18 | 16 | 13 | 26 | 35 | 51 | 20 | 64 | 48 | 46 | 44 | 19 | 27 |
| 28 | 17 | 15 | 13 | 24 | 32 | 47 | 19 | 64 | 48 | 53 | 46 | 22 | 28 |
| 29 | 18 | 13 | 13 | 24 | | 46 | 19 | 64 | 50 | 54 | 48 | 25 | 29 |
| 30 | 19 | 15 | 14 | 24 E | | 47 | 18 | 64 | 47 | 54 | 46 | 22 | 30 |
| 31 | 20 | | 15 | 24 | | 53 | | 63 | | 50 | 46 | | 31 |
| MEAN | 16.9 | 18.2 | 21.9 | 19.8 | 26.9 | 48.4 | 33.3 | 46.5 | 51.0 | 52.0 | 50.3 | 33.2 | MEAN |
| MAX. | 21 | 25 | 65 | 50 | 38 | 63 | 61 | 64 | 62 | 62 | 59 | 49 | MAX. |
| MIN. | 13 | 13 | 13 | 12 | 18 | 37 | 18 | 17 | 44 | 32 | 41 | 14 | MIN. |
| AC. FT. | 1039 | 1083 | 1347 | 1220 | 1494 | 2977 | 1980 | 2856 | 3035 | 3195 | 3092 | 1974 | AC. FT. |

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

H - E AND *

| MEAN |
|-----------|
| DISCHARGE |
| 34.9 |

| MAXIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| 67 | 8.64 | 12 | 7 | 0300 |

| MINIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| 11 | 3.00 | 11 | 21 | 2400 |

| TOTAL |
|-----------|
| ACRE FEET |
| 25290 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | |
|---|-----------|---------------------------------|-------------------|----------|----------|------------------------------|---------------------|---------------|------|--------------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.O.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | |
| 36 55 25 | 120 41 19 | NW 5 12S 12E | 69.0 | 9.19 | 11-24-65 | FEB 59-SEP 62 OCT 64-DATE | OCT 62-JUL 63 | 1959 | DATE | -2.00 |
| Station located midway between Outside and Main Canals 0.5 mile south of Main Canal levee road, 5.6 miles southwest of Dos Palos. This is drainage returned to San Joaquin River. Station is operated under a cooperative agreement between the Department of Water Resources and the Panoche Drainage District. Altitude of gage is approximately 140 feet (from U. S. Geological Survey topographic map). | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|--|
| 1967 | B52600 | NORTH FORK MERCED RIVER NEAR COULTEVILLE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|-------|-------|------|-------|-------|------|------|------|------|-------|---------|
| 1 | 0.4 | 0.8 | 4.9 | 4.9 | 102 | 5.1 | 38 | 77 | 23 | 7.2 | 1.8 | 0.6 | 1 |
| 2 | 0.5 | 0.7 | 73 | 4.6 | 55 | 5.1 | 48 | 75 | 22 | 7.2 | 1.8 | 0.6 | 2 |
| 3 | 0.7 | 0.7* | 58 | 4.3 | 36 | 4.6 | 53 | 77 | 20 | 6.7 | 1.8* | 0.7 | 3 |
| 4 | 0.5 | 0.3 | 14 | 4.5 | 27 | 4.6 | 72 | 78 * | 19 | 6.1 | 1.8 | 0.7 | 4 |
| 5 | 0.5 | 0.7 | 273 * | 4.2* | 22 | 4.4 | 113 | 69 | 19 | 5.6 | 1.8 | 0.7 | 5 |
| 6 | 0.6* | 1.3 | 640 | 3.8 | 19 | 4.0 | 157 | 59 | 19 | 5.1 | 1.5 | 0.7 | 6 |
| 7 | 0.9 | 1.4 | 112 | 3.8 | 16 * | 4.2* | 434 * | 59 | 18 * | 5.1 | 1.5 | 0.9* | 7 |
| 8 | 0.3 | 0.9 | 38 | 4.1 | 14 | 4.5 | 216 | 58 | 17 | 4.6 | 1.5 | 0.9 | 8 |
| 9 | 0.3 | 1.0 | 26 | 3.9 | 12 | 4.2 | 122 | 52 | 17 | 4.6 | 1.5 | 0.9 | 9 |
| 10 | 0.4 | 1.3 | 16 | 3.4 | 12 | 4.2 | 95 | 63 | 16 | 4.6 | 1.3 | 0.6 | 10 |
| 11 | 0.5 | 1.2 | 13 | 3.4 | 10 | 14 | 106 | 50 | 16 | 4.2* | 1.3 | 0.4 | 11 |
| 12 | 0.7 | 1.0 | 11 | 3.2 | 8.1 | 216 | 101 | 42 | 16 | 3.8 | 1.1 | 0.3 | 12 |
| 13 | 0.5 | 1.3 | 8.2 | 3.2 | 7.5 | 231 * | 94 | 36 | 16 | 3.8 | 1.1 | 0.3 | 13 |
| 14 | 0.9 | 1.3 | 7.8 | 3.4 | 7.2 | 155 | 84 | 35 | 14 | 3.4 | 1.1 | 0.4 | 14 |
| 15 | 1.3 | 2.0 | 7.0 | 3.4 | 7.1 | 111 | 87 | 32 | 14 | 3.4 | 1.1 | 0.4 | 15 |
| 16 | 1.3 | 4.2 | 6.3 | 3.2 | 6.4 | 945 * | 77 | 31 | 14 | 3.8 | 1.1 | 0.6 | 16 |
| 17 | 1.8 | 1.2 | 5.7 | 3.4 | 6.7 | 274 | 71 | 29 | 14 | 3.4 | 1.1 | 0.6 | 17 |
| 18 | 1.7 | 1.5 | 5.6 | 2.8 | 6.7 | 121 | 124 | 27 | 14 | 3.0 | 1.1 | 1.8 | 18 |
| 19 | 0.8 | 2.1 | 5.6 | 2.8 | 6.4 | 76 | 129 | 26 | 13 | 3.0 | 1.1 | 1.3 | 19 |
| 20 | 0.8 | 8.2 | 5.5 | 3.5 | 5.7 | 57 | 128 | 26 | 12 | 3.0 | 0.9 | 1.3 | 20 |
| 21 | 0.7 | 5.4 | 4.6 | 20 | 5.4 | 43 | 156 | 24 | 10 | 2.7 | 0.7 | 1.1 | 21 |
| 22 | 0.8 | 9.7 | 4.5 | 131 | 4.4 | 38 | 172 | 23 | 10 | 2.7 | 0.7 | 1.1 | 22 |
| 23 | 0.6 | 5.4 | 4.2 | 32 | 4.4 | 35 | 185 | 23 | 10 | 2.7 | 0.7 | 1.3 | 23 |
| 24 | 0.6 | 4.0 | 4.3 | 58 | 4.5 | 32 | 214 | 22 | 10 | 2.3 | 0.7 | 1.5 | 24 |
| 25 | 0.5 | 3.8 | 4.9 | 58 | 9.2 | 29 | 178 | 21 | 10 | 2.3 | 0.7 | 1.3 | 25 |
| 26 | 0.8 | 3.5 | 5.6 | 34 | 8.3 | 27 | 143 | 20 | 9.1 | 2.3 | 0.9 | 1.3 | 26 |
| 27 | 1.0 | 3.2 | 4.8 | 29 | 6.4 | 24 | 142 | 20 | 9.1 | 2.3 | 0.7 | 1.1 | 27 |
| 28 | 1.0 | 6.5 | 4.2 | 29 | 5.7 | 27 | 125 | 20 | 7.8 | 2.3 | 0.7 | 1.1 | 28 |
| 29 | 0.9 | 6.4 | 5.0 | 146 | | 29 | 101 | 19 | 7.8 | 2.3 | 0.7 | 1.3 | 29 |
| 30 | 1.3 | 4.8 | 4.6 | 232 * | | 25 | 87 | 20 | 7.2 | 2.0 | 0.9 | 1.5 | 30 |
| 31 | 1.7 | | 5.0 | 228 | | 35 | | 20 | | 1.8 | 0.7 | | 31 |
| MEAN | 0.8 | 2.9 | 44.6 | 34.5 | 15.5 | 83.5 | 128 | 39.8 | 14.1 | 3.8 | 1.1 | 0.9 | MEAN |
| MAX. | 1.8 | 9.7 | 640 | 232 | 102 | 945 | 434 | 78 | 23 | 7.2 | 1.8 | 1.8 | MAX. |
| MIN. | 0.3 | 0.3 | 4.2 | 2.8 | 4.4 | 4.0 | 38 | 19 | 7.2 | 1.8 | 0.7 | 0.3 | MIN. |
| AC. FT. | 50 | 170 | 2742 | 2124 | 863 | 5135 | 7640 | 2446 | 841 | 233 | 70 | 54 | AC. FT. |

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

- E AND *

| MEAN DISCHARGE | MAXIMUM | MINIMUM | TOTAL |
|-------------------|---------------------------|---------------------------|--------------------|
| 309 | DISCHARGE 1871 | DISCHARGE 0.1 | ACRE FEET 22370 |
| | GAGE HT. 6.35 | GAGE HT. 3.14 | |
| | MO. DAY TIME 3 16 1040 | MO. DAY TIME 11 1 1150 | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | |
|----------|-----------|---------------------------------|-------------------|----------|---------|------------------|---------------------|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | REF. OATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | |
| 37 44 51 | 120 02 12 | NW 19 2S 18E | 3440E | 7.83 | 1-31-63 | DEC 58-DATE | | 1958 | | 0.00 LOCAL |

Station located 40 feet upstream from Greeley Hill Road Bridge, 9 miles northeast of Coulterville. Drainage area is 30.3 square miles. Maximum discharge of record from rating curve extended above 2,145 cfs. Altitude of gage is 2,360 feet (from U. S. Geological Survey topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|------------------------------|
| 1967 | B52580 | BEAN CREEK NEAR COULTERVILLE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|-------|-------|------|------|------|------|-------|---------|
| 1 | 0.6 | 0.4 | 0.6 | 1.3 | 18 | 2.2 | 8.3 | 14 | 4.6 | 0.5 | 0.3 | 0.2 | 1 |
| 2 | 0.6 | 0.4 | 3.0 | 1.3 | 7.6 | 2.1 | 9.4 | 13 | 3.9 | 0.5 | 0.3 | 0.2 | 2 |
| 3 | 0.6 | 0.5* | 1.8 | 1.2 | 7.9 | 2.0 | 9.0 | 12 | 3.7 | 0.5 | 0.3* | 0.2 | 3 |
| 4 | 0.5 | 0.5 | 1.2 | 1.3 | 6.5 | 1.9 | 13 | 11 * | 3.5 | 0.4 | 0.3 | 0.2 | 4 |
| 5 | 0.5 | 0.5 | 21 * | 1.3* | 5.7 | 1.8 | 28 | 10 | 3.9 | 0.4 | 0.3 | 0.2 | 5 |
| 6 | 0.5* | 1.1 | 218 | 1.3 | 4.9 | 1.7 | 134 | 9.4 | 3.7 | 0.3 | 0.3 | 0.2 | 6 |
| 7 | 0.6 | 0.8 | 30 | 1.2 | 4.9* | 1.7* | 218 * | 8.4 | 3.5* | 0.3 | 0.3 | 0.2* | 7 |
| 8 | 0.6 | 0.5 | 6.3 | 1.3 | 4.4 | 1.7 | 57 | 8.2 | 3.1 | 0.3 | 0.3 | 0.2 | 8 |
| 9 | 0.5 | 0.4 | 3.3 | 1.3 | 4.2 | 1.6 | 29 | 8.0 | 2.8 | 0.3 | 0.3 | 0.2 | 9 |
| 10 | 0.5 | 0.4 | 2.1 | 1.2 | 3.8 | 1.6 | 22 | 16 | 2.6 | 0.3 | 0.3 | 0.2 | 10 |
| 11 | 0.5 | 0.4 | 1.5 | 1.2 | 4.0 | 5.7 | 34 | 9.4 | 2.4 | 0.3* | 0.3 | 0.2 | 11 |
| 12 | 0.5 | 0.4 | 1.6 | 1.3 | 3.8 | 251 | 28 | 8.4 | 2.2 | 0.2 | 0.3 | 0.2 | 12 |
| 13 | 0.5 | 0.4 | 1.5 | 1.1 | 3.2 | 107 * | 23 | 7.1 | 2.0 | 0.2 | 0.3 | 0.2 | 13 |
| 14 | 0.5 | 0.3 | 1.3 | 1.0 | 3.1 | 55 | 18 | 6.7 | 2.0 | 0.2 | 0.2 | 0.2 | 14 |
| 15 | 0.4 | 0.3 | 1.4 | 1.0 | 3.0 | 49 | 23 | 6.3 | 1.7 | 0.2 | 0.2 | 0.2 | 15 |
| 16 | 0.4 | 1.3 | 1.3 | 1.1 | 3.0 | 282 | 18 | 5.9 | 1.7 | 0.3 | 0.2 | 0.2 | 16 |
| 17 | 0.4 | 0.5 | 1.2 | 1.1 | 2.8 | 52 | 16 | 5.7 | 1.7 | 0.2 | 0.2 | 0.2 | 17 |
| 18 | 0.4 | 0.4 | 1.2 | 1.1 | 2.6 | 22 | 57 | 5.4 | 1.6 | 0.2 | 0.2 | 0.3 | 18 |
| 19 | 0.5 | 0.6 | 1.2 | 1.0 | 2.6 | 14 | 48 | 5.0 | 1.6 | 0.2 | 0.2 | 0.3 | 19 |
| 20 | 0.5 | 1.1 | 1.2 | 1.2 | 2.6 | 9.7 | 41 * | 4.9 | 1.4 | 0.2 | 0.2 | 0.2 | 20 |
| 21 | 0.5 | 0.6 | 1.0 | 7.9 | 2.4 | 7.7 | 52 | 4.5 | 1.3 | 0.3 | 0.2 | 0.2 | 21 |
| 22 | 0.5 | 1.5 | 1.2 | 27 | 2.2 | 6.6 | 52 | 4.4 | 1.2 | 0.2 | 0.2 | 0.2 | 22 |
| 23 | 0.5 | 0.6 | 1.4 | 10 | 2.2 | 6.1 | 64 | 4.3 | 1.0 | 0.2 | 0.2 | 0.2 | 23 |
| 24 | 0.5 | 0.5 | 1.4 | 7.2 | 2.0 | 5.4 | 90 | 4.0 | 0.9 | 0.3 | 0.2 | 0.2 | 24 |
| 25 | 0.4 | 0.4 | 1.5 | 5.9 | 4.2 | 5.2 | 58 | 4.1 | 0.9 | 0.3 | 0.2 | 0.2 | 25 |
| 26 | 0.4 | 0.4 | 1.6 | 7.4 | 3.0 | 4.7 | 39 | 3.9 | 0.9 | 0.3 | 0.2 | 0.2 | 26 |
| 27 | 0.3 | 0.5 | 1.5 | 6.3 | 2.5 | 3.6 | 32 | 3.8 | 0.7 | 0.3 | 0.2 | 0.2 | 27 |
| 28 | 0.4 | 0.7 | 1.3 | 5.3 | 2.4 | 4.2 | 25 | 3.6 | 0.8 | 0.3 | 0.2 | 0.2 | 28 |
| 29 | 0.4 | 0.5 | 1.3 | 53 | | 5.6 | 19 | 3.7 | 0.7 | 0.3 | 0.2 | 0.2 | 29 |
| 30 | 0.5 | 0.5 | 1.5 | 58 | | 4.4 | 17 | 3.4 | 0.6 | 0.3 | 0.2 | 0.2 | 30 |
| 31 | 0.5 | | 1.3 | 49 * | | 6.5 | | 3.7 | | 0.3 | 0.2 | | 31 |
| MEAN | 0.5 | 0.6 | 10.2 | 8.4 | 4.3 | 29.9 | 48.7 | 7.0 | 2.0 | 0.3 | 0.2 | 0.2 | MEAN |
| MAX. | 0.6 | 1.5 | 218 | 58 | 18 | 282 | 218 | 16 | 4.6 | 0.5 | 0.3 | 0.3 | MAX. |
| MIN. | 0.3 | 0.3 | 0.6 | 1.0 | 2.0 | 1.6 | 8.3 | 3.4 | 0.6 | 0.2 | 0.2 | 0.2 | MIN. |
| AC. FT. | 30 | 35 | 626 | 517 | 237 | 1836 | 2542 | 433 | 124 | 18 | 15 | 12 | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|----|-----|------|-----------|----------|----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO | DAY | TIME | DISCHARGE | GAGE HT. | MO | DAY | TIME | ACRE FEET |
| 8.9 | 800 | 6.63 | 3 | 12 | 1750 | 0.2 | 1.29 | 8 | 21 | 1600 | 6425 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|-------------------------------|-------------------|----------|---------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.O.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 44 29 | 120 07 00 | SE20 2S 17E | 800 E | 6.63 | 3-12-67 | DEC 65-DATE | | 1965 | | 0.00 | LOCAL |
| Station located on right bank 0.8 mile east of Greeley Hill and 4.8 miles northeast of Coulterville. Maximum discharge of record from rating curve extended above 154 cfs. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-------------------------------|
| 1967 | B51250 | MAXWELL CREEK AT COULTERVILLE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|-------|------|-------|-------|-----|------|------|------|-------|---------|
| 1 | | 0.0 | 0.8 | 0.8 | 22 | 1.2 | 16 | 24 | 3.8 | 1.5 | 0.2 | 0.0 | 1 |
| 2 | | 0.0 | 8.2 | 0.8 | 13 | 1.0 | 23 | 21 | 3.2 | 1.4 | 0.2 | 0.1 | 2 |
| 3 | | 0.1 | 5.6 | 0.8 | 9.8 | 1.0 | 18 | 20 | 3.0 | 1.1 | 0.2* | 0.1 | 3 |
| 4 | | 0.0 | 2.0 | 0.8 | 7.4 | 1.0 | 45 | 18 | 2.8 | 1.1 | 0.2 | 0.1 | 4 |
| 5 | | 0.0 | 50 * | 0.7* | 6.1 | 0.8 | 98 | 17 | 3.2 | 1.0 | 0.1 | 0.1 | 5 |
| 6 | | 0.2 | 313 | 0.7 | 5.2 | 0.8 | 220 E | 14 | 2.8 | 1.0 | 0.1 | 0.1 | 6 |
| 7 | | 0.1 | 22 | 0.7 | 4.6* | 0.9* | 496 # | 13 | 2.4* | 1.0 | 0.1 | 0.1 | 7 |
| 8 | | 0.1 | 9.2 | 0.7 | 4.6 | 0.9 | 107 | 12 | 2.2 | 0.8 | 0.1 | 0.1 | 8 |
| 9 | | 0.1 | 6.1 | 0.7 | 3.9 | 0.8 | 54 | 11 | 2.1 | 0.8 | 0.1 | 0.1 | 9 |
| 10 | | 0.1 | 4.0 | 0.7 | 3.4 | 0.6 | 47 | 18 | 1.9 | 0.7 | 0.1 | 0.1 | 10 |
| 11 | | 0.1 | 3.5 | 0.7 | 3.2 | 4.6 | 110 | 11 | 2.1 | 0.6* | 0.1 | 0.1 | 11 |
| 12 | N | 0.1 | 3.0 | 0.6 | 3.2 | 440 | 88 | 9.7 | 2.1 | 0.5 | 0.1 | 0.1 | 12 |
| 13 | O | 0.1 | 2.3 | 0.6 | 2.8 | 296 * | 58 | 9.6 | 1.9 | 0.5 | 0.1 | 0.1 | 13 |
| 14 | | 0.2 | 2.2 | 0.6 | 2.6 | 139 | 40 | 8.5 | 1.9 | 0.5 | 0.0 | 0.1 | 14 |
| 15 | | 0.2 | 2.0 | 0.7 | 2.6 | 57 | 51 | 8.3 | 1.9 | 0.6 | 0.0 | 0.1 | 15 |
| 16 | F | 0.5* | 1.6 | 0.7 | 2.3 | 190 | 43 | 6.8 | 1.8 | 0.5 | 0.0 | 0.1 | 16 |
| 17 | L | 0.3 | 1.4 | 0.7 | 2.0 | 66 | 48 | 6.4 | 1.6 | 0.5 | 0.0 | 0.1 | 17 |
| 18 | O | 0.3 | 1.4 | 0.6 | 1.9 | 29 | 290 | 6.4 | 1.6 | 0.4 | 0.0 | 0.2 | 18 |
| 19 | W | 0.5 | 1.1 | 0.5 | 1.8 | 17 | 186 | 5.7 | 1.6* | 0.5 | 0.0 | 0.2 | 19 |
| 20 | | 2.1 | 1.0 | 0.5 | 1.8 | 11 | 134 | 6.0 | 1.6 | 0.4 | 0.0 | 0.2 | 20 |
| 21 | | 1.1 | 0.9 | 3.6 | 1.7 | 8.1 | 181 | 5.5 | 1.4 | 0.4 | 0.0 | 0.1 | 21 |
| 22 | | 4.9 | 0.8 | 34 | 1.4 | 6.7 | 170 | 5.4 | 1.3 | 0.4 | 0.0 | 0.1 | 22 |
| 23 | | 1.6 | 0.8 | 6.7 | 1.5 | 5.9 | 152 | 5.4 | 1.1 | 0.3 | 0.0 | 0.1 | 23 |
| 24 | | 1.0 | 0.7 | 26 | 1.4 | 4.8 | 144 | 4.7 | 1.0 | 0.3 | 0.0 | 0.1 | 24 |
| 25 | | 0.7 | 0.8 | 18 | 3.1 | 3.9 | 95 | 4.5 | 1.0 | 0.3 | 0.0 | 0.1 | 25 |
| 26 | | 0.6 | 1.1 | 8.2 | 2.0 | 3.7 | 66 | 3.8 | 0.8 | 0.3 | 0.0 | 0.1 | 26 |
| 27 | | 0.5 | 0.8 | 5.3 | 1.6 | 3.2 | 52 | 3.8 | 0.8 | 0.4 | 0.0 | 0.1 | 27 |
| 28 | | 0.9 | 0.8 | 5.3 | 1.3 | 4.0 | 40 | 3.8 | 1.1 | 0.3 | 0.0 | 0.1 | 28 |
| 29 | | 0.6 | 0.8 | 91 | | 4.0 | 33 | 3.7 | 1.6 | 0.2 | 0.1 | 0.1 | 29 |
| 30 | | 0.7 | 0.8 | 127 * | | 3.6 | 28 | 3.7 | 1.5 | 0.2 | 0.1 | 0.1 | 30 |
| 31 | | | 0.8 | 69 | | 11 | | 4.2 | | 0.2 | 0.0 | | 31 |
| MEAN | | 0.6 | 14.5 | 13.2 | 4.2 | 42.5 | 104 | 9.5 | 1.9 | 0.6 | 0.1 | 0.1 | MEAN |
| MAX. | | 4.9 | 313 | 127 | 22 | 440 | 496 E | 24 | 3.8 | 1.5 | 0.2 | 0.2 | MAX. |
| MIN. | | 0.0 | 0.7 | 0.5 | 1.3 | 0.6 | 16 | 3.7 | 0.8 | 0.2 | 0.0 | 0.0 | MIN. |
| AC. FT. | | 35 | 892 | 809 | 234 | 2613 | 6214 | 585 | 113 | 37 | 4 | 6 | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

| MEAN |
|-----------|
| DISCHARGE |
| 15.9 |

| MAXIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| 1220E | 5.48 | 4 | 7 | 0110 |

| MINIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| 0.0 | | 10 | 1 | 0000 |

| TOTAL |
|-----------|
| ACRE FEET |
| 11540 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | | DATUM OF GAGE | | |
|----------|-----------|------------------------------|-------------------|----------|----------|------------------|---------------------|--------|--------------------|---------------|-------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | ZERO ON GAGE | REF. DATUM | |
| | | | CF5 | GAGE HT. | DATE | | | | | | |
| 37 42 58 | 120 11 20 | SE34 2S 16E | 1770E | 5.71 | 12-23-64 | DEC 58-DATE | | 1958 | TO | 0.00 | LOCAL |

Station located on downstream side of Dogtown Road Bridge, 0.5 mile northeast of Coulterville. Tributary to Merced River. Drainage area is 17.0 square miles. Maximum discharge of record from rating curve extended above 717 cfs. Altitude of gage is 1,740 feet (from U. S. Geological Survey topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-----------------------------|
| 1967 | B05170 | MERCED RIVER BELOW SNELLING |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|--------|--------|--------|--------|-------|-------|---------|
| 1 | 5.1 | 6.4 | 17 | 6.3 | 34 * | 9.7 | 7.2 | 3290 | 3130 | 6750 | 1080 | 485 | 1 |
| 2 | 5.9 | 7.2* | 16 * | 5.3 | 14 | 50 | 7.2 | 3140 * | 3030 | 6730 | 612 * | 87 | 2 |
| 3 | 4.9* | 9.1 | 20 | 5.2 | 9.3 | 12 * | 8.0 | 3250 | 3220 | 6750 | 537 | 70 | 3 |
| 4 | 4.0 | 8.0 | 17 | 5.6 | 7.2 | 7.0 | 93 | 3300 | 3240 | 6810 | 426 | 80 | 4 |
| 5 | 10 | 7.0 | 29 | 5.8 | 6.4 | 5.4 | 51 * | 3360 | 1960 | 5740 | 588 | 126 * | 5 |
| 6 | 9.8 | 9.3 | 193 | 5.2 | 5.9 | 4.7 | 38 | 3310 | 1240 * | 6200 | 629 | 152 | 6 |
| 7 | 5.6 | 12 | 118 | 4.6 | 10 | 4.7 | 343 | 3260 | 998 | 5300 * | 608 | 187 | 7 |
| 8 | 4.6 | 13 | 36 | 4.0 | 12 | 6.6 | 221 | 3280 | 1020 | 5480 | 423 | 152 | 8 |
| 9 | 4.2 | 13 | 16 | 3.8 | 12 | 17 | 133 | 3340 | 1140 | 5390 | 489 | 66 | 9 |
| 10 | 4.3 | 12 | 7.9 | 3.7* | 11 | 18 | 123 | 3290 | 2640 | 5320 | 545 | 70 | 10 |
| 11 | 4.6 | 12 | 4.7 | 3.6 | 11 | 23 | 485 | 3140 | 3190 | 5070 | 553 | 109 | 11 |
| 12 | 13 | 12 | 4.2 | 3.6 | 13 | 26 | 367 | 3220 | 1490 | 2290 | 423 | 160 | 12 |
| 13 | 11 | 13 | 4.2 | 3.7 | 12 | 137 | 305 | 3240 | 1160 | 1500 | 518 | 116 | 13 |
| 14 | 16 | 13 | 3.8 | 3.7 | 11 | 236 | 301 | 3200 | 1160 | 1660 | 564 | 62 | 14 |
| 15 | 17 | 11 | 3.7 | 4.0 | 11 | 82 | 308 | 2660 | 1390 | 1620 | 511 | 66 | 15 |
| 16 | 16 | 8.9 | 20 | 4.2 | 9.3 | 224 | 301 | 1920 | 1320 | 858 | 493 | 62 | 16 |
| 17 | 18 | 11 | 17 | 4.6 | 8.9 | 295 | 240 | 1380 | 2870 | 694 | 468 | 77 | 17 |
| 18 | 19 | 8.4 | 13 | 4.6 | 9.8 | 36 | 428 | 1480 | 3110 | 761 | 478 | 87 | 18 |
| 19 | 19 | 8.4 | 13 | 5.1 | 10 | 54 | 587 | 1580 | 1580 | 800 | 489 | 84 | 19 |
| 20 | 19 | 10 | 13 | 5.0 | 9.8 | 73 | 1570 | 1580 | 1390 | 734 | 489 | 95 | 20 |
| 21 | 19 | 10 | 8.5 | 5.4 | 7.9 | 66 | 2590 | 1530 | 1150 | 753 | 530 | 87 | 21 |
| 22 | 17 | 19 | 7.2 | 5.8 | 7.6 | 43 | 2800 | 1950 | 2770 | 564 | 553 | 58 | 22 |
| 23 | 13 | 16 | 11 | 6.2 | 8.2 | 29 | 2760 | 2690 | 4710 * | 605 | 596 | 87 | 23 |
| 24 | 8.9 | 12 | 13 | 20 | 14 | 17 | 3060 * | 2710 | 5630 * | 574 | 596 | 73 | 24 |
| 25 | 7.2 | 11 | 11 | 36 | 13 | 58 | 3450 | 2690 | 5940 | 586 | 608 | 68 | 25 |
| 26 | 7.7 | 12 | 10 | 17 | 14 | 40 | 3460 | 2560 | 6910 * | 521 | 621 | 84 | 26 |
| 27 | 8.4 | 11 | 8.6 | 12 | 13 | 7.1 | 3350 | 2630 | 4470 | 597 | 612 | 68 | 27 |
| 28 | 9.6 | 12 | 6.7 | 9.8 | 11 | 15 | 3280 | 2650 | 5150 * | 545 | 633 | 64 | 28 |
| 29 | 8.1 | 12 | 8.6 | 13 | 14 | 14 | 3390 | 2650 | 6810 | 533 | 650 | 57 | 29 |
| 30 | 6.5 | 19 | 7.7 | 106 | 10 | 10 | 3360 | 2680 | 6810 | 548 | 515 | 60 | 30 |
| 31 | 6.3 | | 6.9 | 141 | | 8.9 | | 2590 | | 721 | 629 | | 31 |
| MEAN | 10.4 | 11.3 | 21.5 | 15.0 | 11.3 | 52.6 | 1247 | 2695 | 3021 | 2678 | 563 | 103 | MEAN |
| MAX. | 19 | 19 | 193 | 141 | 34 | 295 | 3460 | 3360 | 6910 | 6810 | 1080 | 485 | MAX. |
| MIN. | 4.0 | 6.4 | 3.7 | 3.6 | 5.9 | 4.7 | 7.2 | 1380 | 998 | 521 | 423 | 57 | MIN. |
| AC. FT. | 640 | 672 | 1320 | 920 | 627 | 3231 | 74210 | 165700 | 179800 | 164600 | 34640 | 6147 | AC. FT. |

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

- E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 874 | 7100 | 13.88 | 6 | 26 | 1730 | 3.4 | 5.19 | 1 | 11 | 2400 | 632500 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|-------------------------------|-------------------|----------|--------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 30 06 | 120 27 03 | NE 17 5S 14E | 14500 | 17.10 | 1-7-65 | NOV 58-DATE | | 1958 | | 0.00 | LOCAL |

Station located 0.2 mile downstream from Merced-Snellings highway bridge, 1.4 miles southwest of Snelling. Flow regulated by Exchequer powerplant and Lake McClure. Prior to November 1958, records available for a site 3.6 miles downstream. Altitude of gage is approximately 221 feet (from U. S. Geological Survey topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-------------------------|
| 1967 | B05155 | MERCED RIVER AT CRESSEY |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|-------|-------|--------|--------|--------|--------|--------|-------|---------|
| 1 | 20 * | 29 * | 42 * | 56 | 413 * | 72 * | 77 | 3400 * | 2890 * | 6780 | 1010 * | 584 * | 1 |
| 2 | 18 | 28 | 49 | 55 | 181 | 67 | 70 | 3290 | 2940 | 6820 | 784 | 350 | 2 |
| 3 | 18 | 28 | 56 | 55 | 122 | 64 | 74 * | 3250 | 2950 | 6800 | 595 | 190 | 3 |
| 4 | 26 | 28 | 75 | 48 | 105 | 69 | 70 | 3210 | 3070 | 6680 | 463 | 151 | 4 |
| 5 | 28 | 28 | 85 | 47 | 99 | 64 | 99 | 3410 | 2890 | 6120 | 453 | 148 | 5 |
| 6 | 36 | 28 | 170 | 45 | 98 | 55 | 259 | 3380 | 1610 | 6040 | 595 | 136 | 6 |
| 7 | 60 | 29 | 648 | 47 | 89 | 51 | 864 | 3360 | 1250 | 5430 * | 630 | 148 | 7 |
| 8 | 45 | 28 | 299 | 45 | 82 | 52 | 876 | 3280 | 1190 | 5230 | 536 | 166 | 8 |
| 9 | 32 | 30 | 195 | 45 * | 92 | 47 | 419 | 3410 | 1240 | 5240 | 400 | 151 | 9 |
| 10 | 22 | 31 | 136 | 45 | 92 | 41 | 280 | 3390 | 1390 | 5240 | 496 | 120 | 10 |
| 11 | 34 | 32 | 109 | 52 | 82 | 45 | 938 | 3340 | 2870 | 5020 | 502 | 122 | 11 |
| 12 | 32 | 31 | 85 | 56 | 78 | 61 | 816 | 3210 | 2670 | 4150 | 496 | 128 | 12 |
| 13 | 26 | 36 | 74 | 58 | 77 | 446 | 505 | 3300 | 1370 | 1720 | 379 | 146 | 13 |
| 14 | 30 | 36 | 66 | 51 | 74 | 692 | 394 | 3310 | 1320 | 1730 | 512 | 146 | 14 |
| 15 | 34 | 34 | 60 | 45 | 75 | 425 | 367 | 3170 | 1470 | 1690 | 479 | 109 | 15 |
| 16 | 28 | 37 | 56 | 47 | 70 | 270 | 416 | 2270 | 1370 | 1000 | 453 | 105 | 16 |
| 17 | 21 | 37 | 52 | 42 | 70 | 667 | 403 | 1960 | 1640 | 872 | 434 | 101 | 17 |
| 18 | 24 | 39 | 54 | 41 | 69 | 419 | 567 | 1370 | 2870 | 774 | 425 | 101 | 18 |
| 19 | 28 | 42 | 60 | 40 | 66 | 224 | 1200 | 1670 | 2630 | 837 | 453 | 112 | 19 |
| 20 | 23 | 47 | 62 | 40 | 62 | 168 | 1260 | 1730 | 1570 | 773 | 441 | 120 | 20 |
| 21 | 18 | 48 | 64 | 42 | 61 | 168 | 2400 | 1680 | 1300 | 840 | 463 | 126 | 21 |
| 22 | 26 | 47 | 64 | 52 | 61 | 166 | 4140 * | 1700 | 1390 | 463 | 479 | 138 | 22 |
| 23 | 34 | 45 | 60 | 72 | 61 | 140 | 2970 | 2570 | 3390 | 598 | 512 | 128 | 23 |
| 24 | 37 | 47 | 56 | 103 | 61 | 128 | 3440 | 2760 | 5000 * | 678 | 570 | 122 | 24 |
| 25 | 42 | 47 | 58 | 400 | 61 | 107 | 3620 * | 2790 | 5000 | 630 | 563 | 140 | 25 |
| 26 | 39 | 44 | 61 | 148 | 66 | 96 | 3750 | 2750 | 6420 * | 563 | 591 | 142 | 26 |
| 27 | 39 | 42 | 60 | 99 | 87 | 130 | 3540 | 2660 | 4550 | 460 | 587 | 130 | 27 |
| 28 | 41 | 42 | 56 | 70 | 78 | 96 | 3460 | 2750 | 5970 | 630 | 602 | 126 * | 28 |
| 29 | 39 | 42 | 58 | 62 | 74 | 3450 | 2750 | 5140 | 5140 | 542 | 627 | 120 | 29 |
| 30 | 37 | 41 | 58 | 463 | 72 | 3460 | 2770 | 6750 | 512 | 627 | 116 | 30 | 30 |
| 31 | 34 | | 56 | 901 | 78 | | 2730 | | 556 | 519 | | | 31 |
| MEAN | 31.3 | 36.8 | 99.5 | 109 | 94.0 | 169 | 1473 | 2794 | 2870 | 2755 | 538 | 154 | MEAN |
| MAX. | 60 | 48 | 648 | 901 | 413 | 692 | 4140 | 3410 | 6420 | 6820 | 1010 | 584 | MAX. |
| MIN. | 18 | 28 | 42 | 40 | 61 | 41 | 70 | 1370 | 1190 | 460 | 379 | 101 | MIN. |
| AC. FT. | 1926 | 2188 | 6117 | 6688 | 5220 | 10421 | 87640 | 171800 | 170800 | 169400 | 33080 | 9168 | AC. FT. |

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 932 | 6850 | 21.65 | 6 | 27 | 0300 | 16 | 9.91 | 10 | 3 | 2200 | 674300 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|--|-----------|-------------------------------|-------------------|-----------------|--------------------|------------------|---------------------|---------------|------|--------------------|----------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 25 28 | 120 39 47 | SW 9 6S 12E | 34400 | 22.67 32.67a | 12-4-50 12-4-50 | JUL 41-DATE | APR 41-JUL 41 | 1950 1962 | 1962 | 96.24 86.24 | USCGS USCGS |
| Station located 150 feet downstream from McSwain Bridge, immediately north of Cressey. Prior to May 20, 1960, station located 250 feet upstream from bridge. | | | | | | | | | | | |
| a Reflects present datum. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|------------------------------------|
| 1967 | B08720 | ORESTIMBA CREEK NEAR CROWS LANDING |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|-------|-------|------|------|-------|-----|------|------|------|-------|---------|
| 1 | 5.9 | 1.2 | 0.8 | 0.1 | 241 | 5.0 | 43 | | | | 26 | 10 | 1 |
| 2 | 5.0 | 1.3* | 1.0 | 0.1 | 105 | 2.9 | 52 | | | | 24 | 12 | 2 |
| 3 | 4.2 | 1.6 | 1.1 | 0.2 | 62 | 1.9* | 50 | | | | 22 * | 30 | 3 |
| 4 | 2.5* | 1.5 | 0.9 | 0.1 | 37 | 1.3 | 38 | | | | 15 | 25 | 4 |
| 5 | 2.8 | 1.8 | 1.5 | 0.1 | 24 | 1.9 | 31 | | | | 14 | 50 * | 5 |
| 6 | 4.3 | 9.6 | 33 | 0.1 | 16 * | 2.4 | 52 * | | | | 29 | 19 | 6 |
| 7 | 2.2 | 7.0 | 184 * | 1.0 | 9.8 | 0.0 | 107 | | | | 68 | 7.9 | 7 |
| 8 | 2.6 | 2.0 | 17 | 1.4 | 5.3 | 0.0 | 94 | | | | 40 | 12 | 8 |
| 9 | 2.3 | 1.6 | 1.9 | 1.4 | 3.0 | 0.0 | 58 | | | | 27 | 12 | 9 |
| 10 | 2.7 | 1.3 | 1.1 | 1.3* | 2.4 | 28 | 57 | | | | 28 | 32 | 10 |
| 11 | 2.7 | 2.0 | 0.8 | 0.1 | 1.7 | 58 | 84 | | | | 26 | 41 | 11 |
| 12 | 2.2 | 1.8 | 0.7 | 0.0 | 1.0 | 47 | 94 | | | | 22 | 25 | 12 |
| 13 | 2.8 | 1.0 | 0.6 | 0.0 | 0.5 | 93 | 91 | | | | 22 | 21 | 13 |
| 14 | 2.8 | 0.8 | 0.6 | 0.0 | 0.1 | 98 | 84 | | | | 22 | 26 | 14 |
| 15 | 3.4 | 0.9 | 0.6 | 0.0 | 0.0 | 70 | 52 | | | | 19 | 7.9E | 15 |
| 16 | 3.8 | 0.9 | 0.5 | 0.0 | 0.0 | 541 | 48 | | | 50 E | 15 | 4.4E | 16 |
| 17 | 3.3 | 0.9 | 0.3 | 1.1 | 0.0 | 521 | 60 | | | 69 | 14 | 5.1E | 17 |
| 18 | 8.5 | 0.7 | 0.4 | 1.5 | 0.2 | 205 | 73 | | | 37 | 13 | 6.6E | 18 |
| 19 | 7.9 | 0.8 | 0.4 | 1.1 | 1.1 | 126 | 101 | | | 29 | 15 | 22 E | 19 |
| 20 | 2.5 | 0.9 | 0.4 | 0.8 | 1.4 | 75 | 145 * | | | 28 | 16 | 4.9E | 20 |
| 21 | 1.0 | 0.9 | 0.4 | 1.4 | 5.8 | 91 * | 261 | | | 26 | 28 | 4.4E | 21 |
| 22 | 1.3 | 0.8 | 0.4 | 299 | 11 | 73 | a | | | 28 | 12 | 6.8E | 22 |
| 23 | 2.5 | 0.7 | 0.4 | 119 | 30 * | 57 | | | | 27 | 11 | 6.6E | 23 |
| 24 | 2.5 | 0.7 | 0.4 | 757 * | 39 | 53 | | | | 30 * | 14 | 14 E | 24 |
| 25 | 1.5 | 0.7 | 0.4 | 614 * | 23 | 65 | | | | 20 | 27 | 23 | 25 |
| 26 | 1.7 | 0.8 | 0.4 | 205 | 14 | 70 | | | | 20 | 26 | 22 | 26 |
| 27 | 1.7 | 0.8 | 0.3 | 113 | 1.8 | 77 | | | | 23 | 17 | 14 | 27 |
| 28 | 1.2 | 0.9 | 0.4 | 68 | 3.1 | 92 | | | | 26 | 26 | 8.2E | 28 |
| 29 | 1.5 | 0.9 | 0.4 | 55 | | 72 | | | | 26 | 19 | 7.6E | 29 |
| 30 | 1.5 | 0.8 | 0.5 | 336 | | 59 | | | | 25 | 14 | 7.9E | 30 |
| 31 | 2.1 | | 0.4 | 277 | | 48 | | | | 25 | 10 | | 31 |
| MEAN | 3.0 | 1.6 | 8.1 | 92.1 | 22.8 | 85.0 | | | | | 22.0 | 15.9 | MEAN |
| MAX. | 8.5 | 9.6 | 184 | 757 | 241 | 541 | | | | | 68 | 50 | MAX. |
| MIN. | 1.0 | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 | | | | | 10 | 4.4E | MIN. |
| AC. FT. | 184 | 94 | 500 | 5662 | 1268 | 5225 | | | | | 1351 | 949 | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *
 a — SEE NOTE a BELOW

| MEAN DISCHARGE | MAXIMUM | | | | MINIMUM | | | | TOTAL ACRE FEET |
|-------------------|-----------|----------|-----|------|-----------|----------|-----|-----|--------------------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | DISCHARGE | GAGE HT. | MO. | DAY | |
| 1850 | 11.13 | 1 | 24 | 1950 | 0.0 | | 1 | 11 | 1430 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|-------------------------------|-------------------|----------|--------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECDRD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 24 59 | 121 00 45 | SW 8 6S 9E | 2650E | 12.08 | 2-1-63 | DEC 57-DATE | | 1957 | | 0.00 | LOCAL |
| Station located 0.1 mile downstream from River Road Bridge, 3.7 miles northeast of Crows Landing. This includes drainage returned to San Joaquin River. Maximum discharge of record from rating curve extended above 1,654 cfs. Altitude of gage is approximately 50 feet (from U. S. Geological Survey topographic map). | | | | | | | | | | | |
| a During the period April 22 through July 15, 1967, this station was in backwater from the San Joaquin River creating a condition which made it impossible to determine the discharge. The gage height record was obtained and is available in Department of Water Resources' files. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---|
| 1967 | B07250 | SAN JOAQUIN RIVER AT CROWS LANDING BRIDGE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|-------|-------|--------|-------|--------|--------|---------|---------|---------|--------|-------|--------|---------|
| 1 | 213 | 252 | 359 | 498 | 2460 | 557 | 849 | 15700 | 11400 | 7760 | 1330 | 1140 | 1 |
| 2 | 217 | 254 * | 371 | 493 | 3220 | 527 | 888 | 15600 * | 11800 * | 8090 | 1380 | 1170 | 2 |
| 3 | 218 | 251 | 377 | 488 | 3690 | 509 * | 987 | 15500 | 12100 | 8240 | 1430 | 1110 | 3 |
| 4 | 215 * | 248 | 397 | 488 | 3570 | 506 | 1260 | 15400 | 12200 | 8410 | 1280 | 1030 | 4 |
| 5 | 224 | 251 | 446 | 517 | 3030 | 489 | 1410 | 15300 | 12500 | 8540 | 1360 | 1000 * | 5 |
| 6 | 221 | 260 | 540 | 596 | 2890 | 493 | 1430 * | 15200 | 12600 | 8410 * | 1370 | 974 | 6 |
| 7 | 209 | 286 | 792 | 625 | 3150 | 491 | 1740 | 15100 | 12200 | 8230 | 1260 | 942 | 7 |
| 8 | 210 | 297 | 1150 | 646 | 3460 | 478 | 2500 | 15000 | 11500 | 8240 | 1300 | 906 | 8 |
| 9 | 221 | 291 | 1990 * | 666 | 3630 | 463 | 3210 | 14700 | 11200 | 8390 | 1280 | 903 | 9 |
| 10 | 223 | 285 | 2470 * | 660 * | 3460 * | 489 | 3650 | 14300 | 11100 | 8750 | 1190 | 916 | 10 |
| 11 | 222 | 287 | 2360 | 634 | 2800 | 540 | 3940 | 14100 | 11300 | 8910 | 1220 | 971 | 11 |
| 12 | 213 | 286 | 1950 | 611 | 2000 | 541 | 4100 | 13800 | 12000 | 8840 | 1210 | 913 | 12 |
| 13 | 205 | 289 | 1540 | 596 | 1510 | 575 | 4280 | 13600 | 11900 | 7680 | 1200 | 887 | 13 |
| 14 | 195 | 301 | 1260 | 577 | 1280 | 686 | 4360 | 13700 | 10900 | 4650 | 1170 | 856 | 14 |
| 15 | 213 | 307 | 1080 | 565 | 1130 | 1220 | 4380 | 13700 | 9980 | 3490 | 1190 | 850 | 15 |
| 16 | 220 | 311 | 966 | 549 | 1040 | 2310 | 4120 | 13500 | 9310 | 3070 | 1160 | 865 | 16 |
| 17 | 205 | 309 | 875 | 525 | 951 | 2990 | 3880 | 12800 | 8670 | 2760 | 1120 | 881 | 17 |
| 18 | 198 | 291 | 788 | 501 | 860 | 2710 | 3940 | 12000 | 8110 | 2460 | 1110 | 942 * | 18 |
| 19 | 197 | 278 | 716 | 490 | 793 | 2910 | 4310 | 11300 | 8170 | 2190 | 1100 | 925 | 19 |
| 20 | 199 | 290 | 673 | 490 | 738 | 3000 | 5040 * | 10800 | 7870 | 2110 | 1090 | 894 | 20 |
| 21 | 202 | 313 | 649 | 501 | 698 | 2530 | 5890 * | 10500 | 6820 | 2080 | 1190 | 862 | 21 |
| 22 | 207 | 328 | 634 | 743 | 667 | 1880 * | 7510 | 10300 | 5840 * | 2000 | 1170 | 847 | 22 |
| 23 | 215 | 347 | 630 | 703 | 646 | 1370 | 10700 | 10200 | 5220 | 1730 | 1120 | 856 | 23 |
| 24 | 231 | 354 | 634 | 1050 | 669 | 1110 | 13100 * | 10500 | 6230 | 1680 | 1120 | 843 | 24 |
| 25 | 230 | 349 | 616 | 1443 | 645 | 950 | 14900 * | 10800 | 7140 | 1610 | 1180 | 878 | 25 |
| 26 | 216 | 343 | 588 | 1060 | 607 | 901 | 15900 | 10900 | 7890 | 1570 | 1170 | 881 | 26 |
| 27 | 244 | 343 | 555 | 1150 | 576 | 905 | 16600 | 10900 | 8470 | 1460 | 1190 | 859 | 27 |
| 28 | 251 | 343 | 533 | 1340 | 567 | 882 | 16400 | 10800 | 8160 | 1370 | 1260 | 837 | 28 |
| 29 | 234 | 348 | 518 | 1320 | 827 | 16100 | 10900 | 7820 | 1380 | 1230 | 1230 | 822 | 29 |
| 30 | 235 | 346 | 513 | 1410 | 792 | 15600 | 11000 | 7450 | 1340 | 1190 | 1190 | 801 | 30 |
| 31 | 245 | | 501 | 2200 | | 786 | 11100 | | 1330 | | | | 31 |
| MEAN | 218 | 301 | 886 | 778 | 1812 | 1143 | 6432 | 12870 | 9595 | 4735 | 1218 | 919 | MEAN |
| MAX. | 251 | 354 | 2470 | 2200 | 3690 | 3000 | 16600 | 15700 | 12600 | 8910 | 1430 | 1170 | MAX. |
| MIN. | 195 | 248 | 359 | 488 | 567 | 463 | 849 | 10200 | 5220 | 1330 | 1090 | 801 | MIN. |
| AC. FT. | 13380 | 17930 | 54490 | 47850 | 100600 | 70250 | 382800 | 791400 | 570900 | 291100 | 74900 | 54670 | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 3412 | 16700 | 56.69 | 4 | 27 | 1830 | 191 | 37.57 | 10 | 14 | 1100 | 2470000 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|-------------------------------|-------------------|----------|---------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CF5 | GAGE HT. | DATE | | | FROM | TO | | |
| 37 26 52 | 121 00 44 | NW 8 6S 9E | | 61.9 | 4- 7-58 | OCT 65-DATE | 41-SEP 65 | | | 0.00 | USED |
| | | | | 58.4a | 4- 7-58 | | | 1959 | | 0.00 | USGS |
| | | | 16700b | 56.69 | 4-27-67 | | | 1959 | | 3.51 | USED |
| Station located at Crows Landing Road Bridge, 4.3 miles northeast of Crows Landing. | | | | | | | | | | | |
| a Reflects present datum. | | | | | | | | | | | |
| b Maximum discharge since station was rated in October 1965. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|------------------------------------|
| 1967 | B04175 | TUOLUMNE RIVER AT LA GRANGE BRIDGE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|------|-------|---------|
| 1 | 11 | 422 | 557 | 872 | 2280 * | 2040 | 5130 | 2940 | 4240 | 7840 | 20 | 20 * | 1 |
| 2 | 16 | 584 | 563 | 888 | 2540 | 1950 * | 5010 | 2600 | 4280 | 7460 | 16 * | 20 | 2 |
| 3 | 27 * | 584 | 562 | 1350 | 2370 | 1870 | 3530 * | 2620 | 4280 | 7210 | 21 | 20 | 3 |
| 4 | 26 | 588 * | 562 | 1200 | 2640 | 1210 | 1750 | 2620 | 4240 | 7300 | 18 | 20 | 4 |
| 5 | 12 | 583 | 979 | 1130 | 2630 | 728 | 2200 | 2580 | 4570 | 7060 | 18 | 19 | 5 |
| 6 | 16 | 583 | 1470 | 1120 * | 2460 | 1040 | 4720 | 2550 | 4570 * | 7340 | 18 | 163 | 6 |
| 7 | 12 | 603 | 3400 * | 818 | 2630 | 977 | 5840 | 2500 | 3560 | 7280 * | 18 | 13 | 7 |
| 8 | 16 | 584 | 4510 | 726 | 2460 | 920 | 5810 | 2310 * | 3530 | 6140 | 18 | 9.0 | 8 |
| 9 | 47 | 584 | 5260 | 1000 | 2620 | 1090 | 5660 | 2740 | 4380 | 3900 | 18 | 8.3 | 9 |
| 10 | 398 | 576 | 4690 | 906 | 2640 | 1570 | 4670 | 4640 | 4540 | 4100 | 18 | 8.3 | 10 |
| 11 | 371 | 583 | 3950 | 913 | 2630 | 1280 | 3690 | 5560 | 5000 | 2270 | 18 | 9.0 | 11 |
| 12 | 374 | 590 | 2540 | 818 | 2600 | 1040 | 4700 | 3040 | 4960 | 63 | 19 | 9.0 | 12 |
| 13 | 374 | 450 | 2310 | 843 | 2320 | 1710 | 6060 | 1340 | 3930 | 24 | 19 | 9.8 | 13 |
| 14 | 415 | 591 | 2400 | 716 | 2460 | 2240 | 4180 | 1600 | 1780 | 119 | 24 | 13 | 14 |
| 15 | 428 | 611 | 2390 | 691 | 2560 | 5030 | 2510 | 2220 | 1340 | 1510 | 28 | 21 | 15 |
| 16 | 461 | 585 | 2400 | 812 | 2680 | 7110 | 2470 | 3090 | 4200 | 3810 | 27 | 24 | 16 |
| 17 | 527 | 594 | 2390 | 838 | 2660 | 7210 * | 2260 | 3210 | 5250 | 3710 | 27 | 22 | 17 |
| 18 | 602 | 524 | 2420 | 911 | 2640 | 7240 | 4480 | 3280 | 5280 | 3290 | 27 | 24 | 18 |
| 19 | 605 | 12 | 2420 | 915 | 2590 | 7150 | 6370 | 3680 | 5940 | 2690 | 26 | 22 | 19 |
| 20 | 603 | 9.2 | 2460 | 945 | 2560 | 7020 | 6330 | 3100 | 6310 | 1340 | 25 | 22 | 20 |
| 21 | 603 | 424 | 2480 | 751 | 2640 | 6920 | 5860 | 3830 | 6310 | 975 | 28 | 22 | 21 |
| 22 | 593 | 587 | 2480 | 663 | 2650 | 5160 | 5940 | 4000 | 6060 | 896 | 31 | 22 | 22 |
| 23 | 301 | 530 | 2500 | 896 | 2620 | 2970 | 4510 | 3880 | 6660 | 709 | 31 | 21 | 23 |
| 24 | 417 | 9.1 | 2530 | 946 | 2230 | 2770 | 5150 | 3800 | 6900 | 1150 | 31 | 22 | 24 |
| 25 | 384 | 318 | 2550 | 775 | 2020 | 2130 | 4530 | 3390 | 6870 | 355 | 30 | 21 | 25 |
| 26 | 377 | 9.8 | 2590 | 892 | 1790 | 1980 | 4050 | 2650 | 6850 | 76 | 24 | 20 | 26 |
| 27 | 378 | 7.9 | 2200 | 691 | 2130 | 1770 | 4030 | 3060 | 6930 | 46 | 22 | 739 | 27 |
| 28 | 368 | 406 | 1680 | 624 | 2090 | 1640 | 4050 | 3410 | 6820 | 56 | 21 | 356 | 28 |
| 29 | 364 | 584 | 1890 | 641 | | 1710 | 3540 | 3850 | 7160 | 30 | 25 | 78 | 29 |
| 30 | 12 | 566 | 1920 | 1080 | | 1960 | 2880 | 4250 | 7860 | 25 | 22 | 11 * | 30 |
| 31 | 349 | | 1410 | 1180 | | 4080 | | 4280 | | 24 | 21 | | 31 |
| MEAN | 306 | 456 | 2305 | 889 | 2469 | 3017 | 4397 | 3181 | 5153 | 2864 | 22.9 | 59.6 | MEAN |
| MAX. | 605 | 611 | 5260 | 1350 | 2680 | 7240 | 6370 | 5560 | 7860 | 7840 | 31 | 739 | MAX. |
| MIN. | 11 | 7.9 | 557 | 624 | 1790 | 728 | 1750 | 1340 | 1340 | 24 | 16 | 8.3 | MIN. |
| AC. FT. | 18820 | 27130 | 141700 | 54650 | 137100 | 185500 | 261600 | 195600 | 306600 | 176100 | 1410 | 3547 | AC. FT. |

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 2086 | 8070 | 175.94 | 6 | 30 | 1900 | 1.7 | 167.25 | 11 | 25 | 0630 | 1510000 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | |
|---|-----------|-------------------------------|-------------------|----------|---------|------------------|---------------------|---------------|----|--------------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | |
| 37 39 59 | 120 27 40 | NW20 3S 14E | 48200 | 188.0 | 12-8-50 | OCT 36-SEP 60 | | 1937 | | 0.00 |
| | | | | | | OCT 61-DATE | | | | USGS |
| Station located at highway bridge, immediately north of La Grange. Flow regulated by reservoirs and powerplants. Drainage area is 1,540 square miles. | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|----------------------------------|
| 1967 | B04150 | TUOLUMNE RIVER AT HICKMAN BRIDGE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| 1 | 103 | 450 | 680 | 1070 | 1920 | 2100 | 5670 | 3480 | 4210 | 7800 | 123 | 106 * | 1 |
| 2 | 99 | 680 | 704 | 928 | 2530 | 2080 * | 5640 | 2960 | 4230 | 7510 | 119 | 92 | 2 |
| 3 | 98 * | 679 | 690 | 1050 | 2540 * | 1940 | 5320 * | 2960 * | 4220 | 7160 * | 112 * | 92 | 3 |
| 4 | 96 | 684 * | 698 | 1290 | 2590 | 1680 | 2860 | 2900 | 4190 | 7290 | 106 | 89 | 4 |
| 5 | 96 | 696 | 854 | 1170 | 2660 | 1090 | 2760 | 2760 | 4310 * | 7020 | 99 | 89 | 5 |
| 6 | 100 | 703 | 1380 | 1130 * | 2560 | 939 | 4530 | 2670 | 4750 | 7210 | 96 | 96 | 6 |
| 7 | 95 | 703 | 2610 * | 1010 | 2640 | 1130 | 6230 | 2620 | 4000 | 7160 | 99 | 186 | 7 |
| 8 | 95 | 713 | 4130 | 806 | 2580 | 1080 | 6250 | 2490 | 3490 | 6890 | 96 | 116 | 8 |
| 9 | 95 | 701 | 4650 | 836 | 2620 | 1040 | 6110 | 2580 | 4350 | 4880 | 102 | 102 | 9 |
| 10 | 98 | 699 | 5410 | 972 | 2670 | 1450 | 5890 | 3680 | 4310 | 3970 | 96 | 96 | 10 |
| 11 | 436 | 698 | 3190 | 908 | 2690 | 1530 | 4490 | 5160 | 5370 | 4010 | 106 | 92 | 11 |
| 12 | 449 | 699 | 2940 | 884 | 2640 | 1220 | 4470 | 4390 | 4970 | 515 E | 96 | 92 | 12 |
| 13 | 456 | 637 | 2530 | 867 | 2440 | 1390 | 6250 | 1700 | 5080 | 370 E | 96 | 92 | 13 |
| 14 | 491 | 633 | 2600 | 809 | 2490 | 1950 | 5570 | 1590 | 3020 | 355 E | 96 | 96 | 14 |
| 15 | 518 | 709 | 2600 | 741 | 2570 | 4710 | 3230 | 2170 | 1540 | 355 E | 96 | 102 | 15 |
| 16 | 674 | 741 | 2610 | 750 | 2680 | 7520 | 3410 | 2860 | 3540 | 4280 | 96 | 92 | 16 |
| 17 | 523 | 706 | 2630 | 847 | 2670 | 7580 * | 2860 | 3440 | 5520 | 3530 | 106 | 96 | 17 |
| 18 | 691 | 695 | 2640 | 867 | 2650 | 7470 | 3780 | 3220 | 5630 | 3860 | 102 | 106 | 18 |
| 19 | 697 | 442 | 2650 | 941 | 2620 | 7320 | 6080 | 3730 | 5940 | 3320 | 92 | 109 | 19 |
| 20 | 694 | 177 | 2680 | 948 | 2550 | 7190 | 6240 | 3510 | 6570 | 2030 | 86 | 109 | 20 |
| 21 | 692 | 158 | 2740 | 928 | 2630 | 7070 | 6050 | 3360 | 6620 | 1520 E | 89 | 102 | 21 |
| 22 | 693 | 687 | 2750 | 842 | 2670 | 6700 | 6020 | 4170 | 6560 | 1330 E | 92 | 102 | 22 |
| 23 | 584 | 689 | 2750 | 751 | 2670 | 3770 | 5070 | 3920 | 6650 | 795 E | 96 | 106 | 23 |
| 24 | 386 | 458 | 2790 | 999 | 2290 | 3630 | 5200 | 3840 | 7110 | 852 | 96 | 109 | 24 |
| 25 | 472 | 170 | 2820 | 1010 | 2210 | 3000 | 4810 | 3720 | 7120 | 1190 # | 96 | 119 | 25 |
| 26 | 490 | 388 | 2860 | 925 | 2020 | 2770 | 4380 | 3030 | 7060 * | 355 E | 96 | 109 | 26 |
| 27 | 480 | 147 | 2770 | 923 | 2010 | 2550 | 4260 | 2890 | 7140 | 182 E | 92 | 109 | 27 |
| 28 | 467 | 138 | 1980 | 784 | 2180 | 2410 | 4280 | 3450 | 7050 | 155 E | 96 | 772 | 28 |
| 29 | 465 | 634 | 2010 | 785 | | 2430 | 4180 | 3600 | 7020 | 152 E | 89 | 408 | 29 |
| 30 | 418 | 690 | 2040 | 963 | | 2480 | 3120 | 4140 | 7600 | 140 E | 99 | 167 * | 30 |
| 31 | 152 | | 1900 | 1510 | | 3950 | | 4220 | | 126 E | 99 | | 31 |
| MEAN | 384 | 567 | 2461 | 943 | 2500 | 3328 | 4834 | 3265 | 5306 | 3107 | 98.7 | 138 | MEAN |
| MAX. | 697 | 741 | 5410 | 1510 | 2690 | 7580 | 6250 | 4220 | 7600 | 7800 | 123 | 772 | MAX. |
| MIN | 95 | 147 | 680 | 741 | 1920 | 939 | 2760 | 1590 | 1540 | 126 | 86 | 89 | MIN. |
| AC.FT. | 23610 | 33730 | 151300 | 58010 | 138800 | 204600 | 287600 | 200700 | 315700 | 191000 | 6069 | 8237 | AC.FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 2237 | 7890 | 76.96 | 7 | 1 | 0600 | 80 | 68.38 | 8 | 19 | 2400 | 1619000 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | | DATUM OF GAGE | | |
|----------|-----------|--------------------------------|-------------------|----------|---------|---|---------------------|--|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R M.D. 8 & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | | PERIOD | | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | | FROM | TO | |
| 37 38 10 | 120 45 14 | NW34 3S 11E | 59000 | 96.2 | 12-8-50 | JUL 32-OCT 36 JAN 37-MAR 37 JUL 37-FEB 38 JUL 38-DEC 38 MAR 39-DATE | | | 1932 | | 0.00 USCGS |

Station located at Hickman-Waterford road bridge, immediately south of Waterford. Flow regulated by reservoirs and powerplants. In August 1964, this station was moved approximately one-quarter mile downstream to a point immediately upstream of the new Hickman-Waterford road bridge.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|------------------------|
| 1967 | B04130 | DRY CREEK NEAR MODESTO |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|--------|--------|------|-------|--------|------|-------|------|------|-------|---------|
| 1 | 47 | 23 | 17 | 19 | 565 | 28 | 90 | 89 | 68 | 78 E | 64 | 69 * | 1 |
| 2 | 55 | 24 | 18 | 18 | 230 | 26 | 134 | 76 | 104 | 78 E | 63 * | 70 | 2 |
| 3 | 72 * | 23 * | 25 | 18 | 155 | 24 * | 126 | 65 | 149 | 73 # | 64 | 72 | 3 |
| 4 | 74 | 23 | 23 | 17 | 123 | 23 | 105 | 58 | 104 E | 66 | 63 | 76 | 4 |
| 5 | 57 | 22 | 49 | 17 | 103 | 22 | 93 | 49 * | 101 E | 62 | 63 | 65 | 5 |
| 6 | 68 | 22 | 481 | 17 | 81 | 21 | 120 * | 53 | 98 E | 67 | 63 | 84 | 6 |
| 7 | 56 | 25 | 1410 * | 16 | 69 | 20 | 556 | 94 | 95 E | 60 | 63 | 73 | 7 |
| 8 | 29 | 21 | 347 | 16 | 59 | 20 | 1030 | 69 | 87 * | 63 | 63 | 75 | 8 |
| 9 | 33 | 20 | 125 | 16 | 52 | 19 | 376 | 58 | 67 | 57 | 62 | 86 | 9 |
| 10 | 29 | 20 | 60 | 15 | 46 * | 18 | 213 | 88 | 63 | 54 | 63 E | 85 | 10 |
| 11 | 28 | 20 | 34 | 15 | 43 | 19 | 873 | 50 | 73 | 63 | 64 E | 91 | 11 |
| 12 | 31 | 20 | 24 | 15 | 40 | 18 | 1180 * | 60 | 101 | 53 | 63 E | 98 | 12 |
| 13 | 31 | 20 | 20 | 14 | 38 | 19 | 325 | 72 | 92 | 56 | 64 E | 95 | 13 |
| 14 | 33 | 20 | 17 | 14 | 34 | 165 * | 192 | 57 | 87 | 61 | 66 E | 90 | 14 |
| 15 | 48 | 19 | 16 | 13 | 33 | 211 | 183 | 56 | 81 | 60 | 66 E | 78 | 15 |
| 16 | 132 | 19 | 16 | 13 * | 31 | 119 | 178 | 78 | 69 | 86 | 67 E | 85 | 16 |
| 17 | 94 | 20 | 16 | 13 | 30 | 715 | 244 | 82 | 64 | 77 | 66 E | 73 | 17 |
| 18 | 80 | 20 | 16 | 13 | 28 | 320 | 336 | 69 | 82 | 74 | 64 E | 63 | 18 |
| 19 | 76 | 20 | 16 | 13 | 27 | 153 | 1550 | 67 | 72 | 78 | 63 E | 82 | 19 |
| 20 | 73 | 20 | 17 | 13 | 26 | 97 | 600 | 67 | 77 | 70 | 63 E | 92 | 20 |
| 21 | 65 | 22 | 19 | 14 | 25 | 67 | 372 | 56 | 68 | 60 | 63 E | 93 | 21 |
| 22 | 57 | 22 | 19 | 453 | 24 | 52 | 1760 | 57 | 61 | 59 | 63 E | 92 | 22 |
| 23 | 42 | 21 | 21 | 925 * | 23 | 44 | 668 | 55 | 70 | 62 | 62 E | 84 | 23 |
| 24 | 34 | 20 | 23 | 284 | 26 | 38 | 622 | 53 | 77 E | 74 | 62 E | 88 | 24 |
| 25 | 28 | 19 | 24 | 1260 * | 26 | 34 | 621 | 47 | 77 E | 74 | 63 E | 70 | 25 |
| 26 | 29 | 19 | 23 | 554 * | 25 | 32 | 300 | 53 | 77 E | 71 | 63 E | 78 | 26 |
| 27 | 26 | 18 | 23 | 199 | 25 | 29 | 198 | 60 | 77 E | 68 | 65 E | 73 | 27 |
| 28 | 25 | 18 | 22 | 135 | 25 | 28 | 154 | 53 | 77 E | 71 | 65 E | 76 | 28 |
| 29 | 26 | 18 | 21 | 135 | | 26 | 132 | 57 | 77 E | 74 | 67 E | 82 | 29 |
| 30 | 24 | 17 | 21 | 1160 | | 28 | 109 | 57 | 78 E | 63 | 69 E | 87 E | 30 |
| 31 | 24 | | 20 | 1770 * | | 84 | | 59 | | 62 | 69 E | | 31 |
| MEAN | 49.2 | 20.5 | 96.2 | 232 | 71.9 | 81.3 | 448 | 63.4 | 82.4 | 66.9 | 64.1 | 80.8 | MEAN |
| MAX. | 132 | 25 | 1410 | 1770 | 565 | 715 | 1760 | 94 | 149 | 86 | 69 | 98 | MAX. |
| MIN. | 24 | 17 | 16 | 13 | 23 | 18 | 90 | 47 | 61 | 53 | 62 | 63 | MIN. |
| AC. FT. | 3027 | 1220 | 5917 | 14270 | 3991 | 4996 | 26660 | 3896 | 4905 | 4114 | 3943 | 4810 | AC. FT. |

E — ESTIMATED

NR — NO RECORD

* — DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

— E AND *

| MEAN |
|-----------|
| DISCHARGE |
| 113 |

| MAXIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| 2380 | 80.80 | 4 | 22 | 1245 |

| MINIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| 13 | 68.03 | 1 | 19 | 0300 |

| TOTAL |
|-----------|
| ACRE FEET |
| 81740 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|------------------------------|-------------------|----------|----------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 39 26 | 120 55 19 | SE 24 3S 9E | 7710 | 88.04 | 12-23-55 | MAR 41-DATE | | 1941 | | 0.00 | USCGS |
| Station located 0.1 mile downstream from Claus Road Bridge, 4 miles east of Modesto. Tributary to Tuolumne River. June 1930 to March 1941, records available for a site 2.5 miles downstream. This is a Department of Water Resources-Modesto Irrigation District cooperative station. Drainage area is 192.3 square miles. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---------------------------------|
| 1967 | B04105 | TUOLUMNE RIVER AT TUOLUMNE CITY |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|---------|
| 1 | 308 | 399 | 709 | 1880 | 2860 | 2210 | 3950 | 4340 | 4740 | 8030 | 459 | 371 | 1 |
| 2 | 311 | 539 * | 759 * | 1340 | 2640 | 2180 * | 5280 | 4320 * | 4800 * | 8170 | 462 | 373 | 2 |
| 3 | 334 | 721 | 782 | 1210 | 2650 * | 2130 | 5480 | 4050 | 4890 | 7950 * | 459 * | 371 | 3 |
| 4 | 340 | 802 | 795 | 1340 | 2510 | 2020 | 4760 | 3980 | 4900 | 7680 | 446 | 369 | 4 |
| 5 | 336 * | 805 | 838 | 1410 | 2660 | 1700 | 3170 * | 3760 | 4900 | 7650 | 431 | 371 * | 5 |
| 6 | 315 | 818 | 1100 | 1320 | 2680 | 1280 | 3140 * | 3700 | 5040 | 7450 | 438 | 357 | 6 |
| 7 | 336 | 848 | 2480 | 1280 | 2560 | 1240 | 4870 | 3700 | 5070 | 7700 | 443 | 358 | 7 |
| 8 | 331 | 828 | 3730 | 1150 | 2650 | 1290 | 6830 | 3570 | 4160 | 7500 | 424 | 388 | 8 |
| 9 | 324 | 815 | 4420 * | 1020 | 2550 | 1230 | 7140 | 3530 | 4000 | 6790 | 421 | 371 | 9 |
| 10 | 329 | 808 | 5130 * | 1070 * | 2630 | 1240 | 6980 | 3610 | 4500 | 4750 | 409 | 368 | 10 |
| 11 | 334 | 815 | 5390 | 1140 | 2700 | 1590 | 6330 | 4750 | 5000 | 4650 | 407 | 371 | 11 |
| 12 | 522 | 808 | 3980 * | 1110 | 2750 | 1570 | 6520 | 5760 | 5400 | 3160 | 408 | 369 | 12 |
| 13 | 602 | 805 | 3350 | 1070 | 2790 | 1400 | 6190 | 3950 | 5490 | 1080 | 424 | 371 | 13 |
| 14 | 617 | 752 | 2990 | 1070 | 2640 | 1660 | 7060 | 2850 | 4450 | 570 | 405 | 366 | 14 |
| 15 | 614 | 753 | 2900 | 1000 | 2720 | 2270 | 5850 | 2900 | 2700 | 600 | 398 | 355 | 15 |
| 16 | 690 | 831 | 2840 | 955 | 2640 | 4060 | 3800 | 3270 | 2300 | 1590 | 395 | 362 | 16 |
| 17 | 779 | 842 | 2840 | 966 | 2720 | 6630 * | 3530 | 3740 | 4100 | 3740 | 397 | 362 | 17 |
| 18 | 756 | 821 | 2810 | 1020 | 2720 | 7540 | 3260 | 3900 | 5540 | 3980 | 397 | 351 | 18 |
| 19 | 828 | 808 | 2820 | 1050 | 2700 | 7600 | 5750 | 3800 | 5620 | 3800 | 394 | 350 | 19 |
| 20 | 852 | 626 | 2820 | 1080 | 2660 | 7640 * | 7680 | 4100 | 6200 | 3320 | 398 | 361 | 20 |
| 21 | 855 | 414 | 2840 | 1140 | 2640 | 7620 | 7630 * | 3550 | 6720 * | 1680 | 392 | 354 | 21 |
| 22 | 845 | 386 | 2870 | 1190 | 2670 | 7470 | 7980 | 4000 | 6640 | 1320 | 386 | 359 | 22 |
| 23 | 845 | 659 | 2870 | 1810 | 2700 | 6290 | 8290 | 4230 | 6560 | 1200 | 383 | 365 | 23 |
| 24 | 743 | 756 | 2900 | 1460 | 2650 | 4010 | 6670 * | 4060 | 7000 | 1000 | 392 | 362 | 24 |
| 25 | 594 | 588 | 2930 | 1840 | 2420 | 3340 | 7000 * | 4100 | 7300 | 1030 | 391 | 351 | 25 |
| 26 | 626 | 399 | 2950 | 2090 | 2270 | 2750 | 6070 | 3780 | 7310 | 940 | 378 | 350 | 26 |
| 27 | 626 | 465 | 2970 | 1450 | 2070 | 2490 | 5480 * | 3150 | 7260 | 680 | 378 | 348 | 27 |
| 28 | 611 | 355 | 2740 | 1220 | 2150 | 2290 | 5350 | 3400 | 7380 | 580 | 368 | 450 | 28 |
| 29 | 594 | 331 | 2200 | 1100 | 2180 | 2180 | 5250 | 3720 | 7340 | 540 | 365 | 760 | 29 |
| 30 | 591 | 597 | 2160 | 1530 | 2180 | 2180 | 4670 | 4130 | 7430 | 520 | 369 | 640 | 30 |
| 31 | 545 | | 2140 | 2470 | 2490 | 2490 | | 4490 | | 490 | 369 | | 31 |
| MEAN | 559 | 673 | 2679 | 1316 | 2607 | 3277 | 5732 | 3877 | 5491 | 3553 | 406 | 388 | MEAN |
| MAX. | 855 | 848 | 5390 | 2470 | 2860 | 7640 | 8290 | 5760 | 7430 | 8170 | 462 | 760 | MAX. |
| MIN. | 308 | 331 | 709 | 955 | 2070 | 1230 | 3140 | 2850 | 2300 | 490 | 365 | 348 | MIN. |
| AC. FT. | 34380 | 40050 | 164700 | 80890 | 144800 | 201500 | 341100 | 238400 | 326800 | 218500 | 24960 | 23120 | AC. FT. |

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 2540 | 8880 | 38.50 | 4 | 23 | 0330 | 302 | 23.44 | 10 | 1 | 1100 | 1839000 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|-------------------------------|-------------------|----------------|---------------------|------------------|---------------------|---------------|------|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 36 12 | 121 07 50 | NW 7 4S 8E | 8880 ^a | 46.65 38.50 | 12- 9-50 4-23-67 | 30-DATE | | 1960 | 1959 | 0.00 | USED |
| | | | | | | | | 1960 | | 0.00 | USCGS |
| | | | | | | | | 1960 | | 3.50 | USED |

Station located at highway bridge, 3.35 miles above mouth. Backwater at times, from the San Joaquin River, affects the stage-discharge relationship. Drainage area is 1,896 square miles.

a Maximum discharge since Department of Water Resources began operation of station in April 1966.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECONO)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---------------------------------------|
| 1967 | 807040 | SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|-------|--------|--------|--------|--------|----------|---------|---------|---------|---------|--------|--------|---------|
| 1 | 678 | 858 | 1180 | 2630 | 5850 | 3250 | 4900 E | 21100 | 16100 E | 15100 | 1830 | 1590 | 1 |
| 2 | 659 | 913 | 1220 * | 2170 | 5710 | 3140 | 6200 E | 20300 | 16600 E | 15500 | 1780 | 1560 | 2 |
| 3 | 731 | 1050 | 1290 | 1890 | 6130 | 3040 | 6500 E | 19400 | 17000 E | 15700 | 1910 | 1650 | 3 |
| 4 | 737 | 1170 | 1340 | 1880 | 6240 | 2900 | 6000 E | 18800 * | 17100 E | 15600 | 1810 | 1660 | 4 |
| 5 | 770 * | 1180 | 1440 | 2040 | 6030 | 2690 | 5570 * | 18300 | 17500 * | 15100 * | 1710 | 1580 * | 5 |
| 6 | 751 | 1200 | 1650 | 1990 | 5790 | 2240 | 4960 | 17900 | 17500 | 14600 | 1700 | 1530 | 6 |
| 7 | 770 | 1260 * | 2720 | 2000 | 5640 | 1980 | 5930 | 17400 | 18500 | 14400 | 1740 | 1460 | 7 |
| 8 | 760 | 1260 | 4580 | 1940 | 5760 | 2040 | 8010 | 17000 | 18100 | 13800 | 1770 | 1450 | 8 |
| 9 | 788 | 1270 | 5550 | 1820 * | 5910 | 1930 | 9510 | 16400 | 16800 | 13300 | 1720 | 1440 | 9 |
| 10 | 789 | 1260 | 6490 * | 1800 | 6010 * | 1850 | 10100 | 16100 | 16300 | 12300 | 1720 | 1440 | 10 |
| 11 | 757 | 1250 | 7150 | 1870 | 5980 | 2100 | 10200 | 16600 | 16500 | 11300 | 1690 | 1460 | 11 |
| 12 | 871 | 1240 | 6410 * | 1790 | 5620 | 2330 | 10300 | 17700 | 17300 | 10900 | 1660 | 1450 | 12 |
| 13 | 982 | 1250 | 5510 | 1710 | 5100 | 2230 | 10300 | 17400 | 17900 | 9230 | 1690 | 1410 | 13 |
| 14 | 1010 | 1240 | 4690 | 1670 | 4650 | 2450 | 10500 | 15300 | 17500 | 7630 | 1690 | 1380 | 14 |
| 15 | 1030 | 1200 | 4260 | 1610 | 4390 | 3500 E | 10500 | 14200 | 15000 | 5860 | 1620 | 1360 | 15 |
| 16 | 1090 | 1270 | 4040 | 1540 | 4320 | 6400 E | 9730 | 14200 | 12500 | 4640 | 1550 | 1340 | 16 |
| 17 | 1130 | 1290 | 3900 | 1510 | 4280 | 9600 E | 9150 | 14700 | 11900 | 5450 | 1550 | 1350 | 17 |
| 18 | 1070 | 1280 | 3790 | 1550 | 4200 | 10200 E | 8730 | 14600 | 11900 | 5540 | 1530 | 1380 * | 18 |
| 19 | 1090 | 1250 | 3700 | 1540 | 4070 | 10500 E | 9220 | 14000 | 12200 | 5360 | 1550 | 1400 | 19 |
| 20 | 1130 | 1170 | 3640 | 1580 | 3950 | 10600 # | 10800 * | 13400 | 12700 | 4770 | 1540 | 1360 | 20 |
| 21 | 1130 | 980 | 3610 | 1650 | 3870 | 10100 E | 11900 * | 12700 | 13300 | 3990 | 1560 | 1310 | 21 |
| 22 | 1140 | 899 | 3600 | 1950 | 3860 | 9300 E | 12100 | 12300 | 13400 | 3470 | 1600 | 1340 | 22 |
| 23 | 1140 | 1050 | 3570 | 2880 | 3880 | 7600 E | 13300 | 12600 | 12800 * | 3190 | 1550 | 1370 | 23 |
| 24 | 1120 | 1210 | 3570 | 3140 | 3960 | 5000 E | 14800 | 13700 | 12500 | 2770 | 1540 | 1420 | 24 |
| 25 | 1000 | 1180 | 3540 | 3510 | 3820 | 4300 E | 17400 | 14900 E | 12900 | 2600 | 1560 | 1430 | 25 |
| 26 | 963 | 988 | 3500 | 4020 | 3560 | 3700 E | 20500 * | 14700 E | 14000 | 2630 | 1580 | 1440 | 26 |
| 27 | 956 | 990 | 3480 | 3390 | 3300 | 3400 E | 21600 | 14000 E | 14800 | 2250 | 1570 | 1440 | 27 |
| 28 | 980 | 931 | 3390 | 3760 | 3200 | 3200 E | 21800 * | 14200 E | 15400 | 2030 | 1610 | 1440 | 28 |
| 29 | 983 | 860 | 2940 | 4050 | | 3000 E | 22500 | 14600 E | 15800 | 1940 | 1620 | 1660 | 29 |
| 30 | 975 | 1010 | 2760 | 3990 | | 3000 E | 22400 | 15100 E | 15300 | 1950 | 1590 | 1660 | 30 |
| 31 | 968 | | 2730 | 4880 | | 3300 E | | 15600 E | | 1890 | 1610 | | 31 |
| MEAN | 934 | 1132 | 3588 | 2379 | 4824 | 4544 E | 11510 | 15780 | 15240 | 7896 | 1650 | 1459 | MEAN |
| MAX. | 1140 | 1290 | 7150 | 4880 | 6240 | 10600 E | 22500 | 21100 | 18500 | 15700 | 1910 | 1660 | MAX. |
| MIN. | 659 | 858 | 1180 | 1510 | 3200 | 1850 | 4900 E | 12300 | 11900 | 1890 | 1530 | 1310 | MIN. |
| AC. FT. | 57420 | 67360 | 220600 | 146300 | 267900 | 279400 E | 685100 | 970300 | 906600 | 485500 | 101500 | 86800 | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

| MEAN | | MAXIMUM | | | | | MINIMUM | | | | | TOTAL | |
|-----------|--|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|--|
| DISCHARGE | | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET | |
| 5905 | | 22660 | 32.65 | 4 | 29 | 1800 | 647 | 14.25 | 10 | 1 | 2150 | 4275000 | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | | DATUM OF GAGE | | | |
|---|-----------|---------------------------------|-------------------|----------|----------|------------------|---------------------|--|---------------|------|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFs | GAGE HT. | DATE | | | | FROM | TO | | |
| 37 38 28 | 121 13 37 | SW29 3S 7E | | 39.8 | 12- 9-50 | JAN 50-MAR 52 | SEP 43-DEC 49 | | 1943 | 1959 | 0.00 | USED |
| | | | | 36.4a | | | APR 52-SEP 65 | | 1959 | | 0.00 | USCGS |
| | | | 22660b | 32.65 | 4-29-67 | OCT 65-DATE | | | 1959 | | 3.41 | USED |
| Station located at State Highway 132 Bridge, 13 miles west of Modesto, 2 miles upstream from mouth of the Stanislaus River. Gage height discharge relation affected by backwater from the Stanislaus River during high flows in the Stanislaus. | | | | | | | | | | | | |
| a Reflects present datum. | | | | | | | | | | | | |
| b Maximum discharge since station was rated in October 1965. | | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---|
| 1967 | B03175 | STANISLAUS RIVER AT ORANGE BLOSSOM BRIDGE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|--------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|-------|--------|
| 1 | 21 | 60 | 168 | 507 | 3220 * | 458 | 2590 | 4080 | 8000 * | 5970 | 50 | 53 * | 1 |
| 2 | 20 | 59 * | 195 | 108 | 2910 | 504 | 2540 | 3930 | 5810 | 5820 | 46 * | 54 | 2 |
| 3 | 24 * | 60 | 238 | 416 | 2220 | 489 * | 2150 | 3920 | 3050 | 5630 * | 44 | 54 | 3 |
| 4 | 31 | 58 | 185 | 495 * | 1810 | 510 | 1710 | 3920 | 2560 | 3750 | 44 | 52 | 4 |
| 5 | 24 | 60 | 675 | 504 | 1810 | 513 | 1630 | 3810 * | 3640 | 3780 | 46 | 56 | 5 |
| 6 | 19 | 63 | 2650 | 507 | 1800 | 525 | 2290 * | 3300 | 5200 | 2970 | 53 | 56 | 6 |
| 7 | 23 | 69 | 3090 | 501 | 1790 | 427 | 4770 | 2920 | 4840 | 1570 | 62 | 54 | 7 |
| 8 | 19 | 67 | 2070 * | 505 | 1800 | 126 | 4830 | 2610 | 5270 | 630 | 58 | 54 | 8 |
| 9 | 16 | 66 | 1810 | 504 | 1790 | 116 | 4620 | 3050 | 5790 | 617 | 59 | 56 | 9 |
| 10 | 23 | 69 | 1730 | 409 | 1790 | 97 | 4350 | 2950 | 6140 | 522 | 62 | 59 | 10 |
| 11 | 22 | 74 | 1690 | 109 | 1790 | 108 | 4590 | 2970 | 6500 | 374 | 61 | 58 | 11 |
| 12 | 17 | 78 | 1360 | 98 | 1790 | 771 | 4090 | 3090 | 5710 | 158 | 59 | 58 | 12 |
| 13 | 19 | 82 | 806 | 87 | 1780 | 1900 | 3850 | 3110 | 4570 | 140 | 65 | 56 | 13 |
| 14 | 25 | 82 | 811 | 83 | 1780 | 1930 | 3670 | 3080 | 4770 | 374 | 69 | 59 | 14 |
| 15 | 23 | 80 | 815 | 77 | 1780 | 1900 | 3990 | 3090 | 4090 | 479 | 61 | 53 | 15 |
| 16 | 22 | 89 | 813 | 85 | 1750 | 4060 | 4100 | 3090 | 2930 | 950 | 59 | 53 | 16 |
| 17 | 24 | 88 * | 802 | 76 | 1560 | 7880 * | 4130 | 3070 | 2970 | 1620 | 56 | 46 | 17 |
| 18 | 27 * | 85 | 806 | 66 | 1390 | 7870 | 4740 | 3210 | 5010 | 530 | 56 | 46 | 18 |
| 19 | 40 | 83 | 821 | 76 | 1390 | 7150 | 4650 | 3170 | 6220 | 503 | 58 | 46 | 19 |
| 20 | 66 | 89 | 822 | 74 | 1390 | 6420 | 4590 | 3090 | 5850 | 277 | 58 | 44 | 20 |
| 21 | 67 | 84 | 846 | 327 | 1380 | 4370 | 4950 | 3180 | 5870 * | 228 | 56 | 46 | 21 |
| 22 | 67 | 96 | 846 | 4050 | 1550 | 3330 | 4790 | 5180 | 6150 | 92 | 58 | 46 | 22 |
| 23 | 70 | 104 | 801 | 1620 | 1730 | 2930 | 4660 | 8580 | 7020 | 84 | 61 | 50 | 23 |
| 24 | 69 | 117 | 539 | 2140 | 1620 | 2940 | 4740 | 9180 * | 6980 | 83 | 64 | 44 | 24 |
| 25 | 148 | 112 | 525 | 2110 | 1090 | 2870 | 4610 | 8510 * | 6860 | 74 | 58 | 42 | 25 |
| 26 | 156 | 105 | 523 | 2910 | 1090 | 2620 | 4500 | 8350 | 6920 * | 74 | 58 | 43 | 26 |
| 27 | 171 | 108 | 510 | 4880 | 1070 | 2210 | 4410 | 8440 | 6770 | 72 | 56 | 43 | 27 |
| 28 | 127 | 101 | 505 | 4170 | 742 | 1760 | 4310 | 8280 | 6330 | 72 | 59 | 53 | 28 |
| 29 | 84 | 114 | 502 | 3100 | | 1440 | 4250 | 8270 | 6020 | 72 | 59 | 46 | 29 |
| 30 | 69 | 131 | 503 | 3470 * | | 1240 | 4170 | 8350 | 6030 | 70 | 59 | 46 | 30 |
| 31 | 60 | | 515 | 3420 | | 1530 | | 8420 | | 76 | 59 | | 31 |
| MEAN | 51.4 | 84.4 | 935 | 1209 | 1700 | 2290 | 3976 | 4845 | 5462 | 1215 | 57.2 | 50.9 | MEAN |
| MAX. | 171 | 131 | 3090 | 4880 | 3220 | 7880 | 4950 | 9180 | 8000 | 5970 | 69 | 59 | MAX. |
| MIN. | 16 | 59 | 168 | 66 | 742 | 97 | 1630 | 2610 | 2930 | 70 | 44 | 42 | MIN. |
| AC.FT. | 3160 | 5024 | 57470 | 74350 | 94440 | 140800 | 236600 | 297900 | 325000 | 74700 | 3517 | 3027 | AC.FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 1818 | 9760 | 13.74 | 5 | 24 | 1600 | 13 | 1.53 | 10 | 9 | 0500 | 1316000 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | | DATUM OF GAGE | | |
|----------|-----------|---------------------------------|---------------------|----------|----------|------------------------------|---------------------|--|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | | PERIOD | | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | | FROM | TO | |
| 37 47 18 | 120 45 41 | SW 4 2S 11E | 62000E (Revised) | 31.8 | 12-23-55 | JUN 28-DEC 39 APR 40-DATE | | | | | 116.6 USC&S |

Station located at bridge, 5.0 miles east of Oakdale. Flow regulated by reservoirs and powerplants. Drainage area is 1,020 square miles. This station is equipped with radio telemeter.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-------------------------------|
| 1967 | B03145 | STANISLAUS RIVER AT RIVERBANK |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|-------|--------|--------|--------|------|------|-----|------|------|------|-------|---------|
| 1 | 92 | 133 | 235 | 564 | 3990 E | 560 | | | | | | | 1 |
| 2 | 91 | 130 * | 281 | 372 | 3790 E | 534 | | | | | | | 2 |
| 3 | 93 | 129 | 354 | 281 | 2480 | 526 | | | | | | | 3 |
| 4 | 108 | 130 | 336 | 533 * | 1930 | 523 | | | | | | | 4 |
| 5 | 109 | 131 | 382 | 544 | 1770 | 531 | | | | | | | 5 |
| 6 | 103 | 135 | 2210 E | 541 | 1730 | 531 | | | | | | | 6 |
| 7 | 101 | 141 | 4160 E | 534 | 1730 | | | | | | | | 7 |
| 8 | 92 | 148 | 2190 # | 531 | 1720 | | | | | | | | 8 |
| 9 | 89 | 133 | 1800 | 531 | 1710 | | | | | | | | 9 |
| 10 | 87 | 131 | 1760 | 536 | 1710 | | | | | | | | 10 |
| 11 | 89 | 132 | 1810 | 250 | 1700 | | | | | | | | 11 |
| 12 | 89 | 131 | 1840 | 160 | 1670 | | | | | | | | 12 |
| 13 | 90 | 131 | 1040 | 135 | 1670 | | | | | | | | 13 |
| 14 | 86 | 133 | 950 | 125 | 1680 * | | | | | | | | 14 |
| 15 | 88 | 136 | 940 | 116 | 1680 | | | | | | | | 15 |
| 16 | 97 | 146 | 931 | 111 | 1690 | | | | | | | | 16 |
| 17 | 94 | 144 | 919 | 143 | 1580 | | | | | | | | 17 |
| 18 | 89 | 136 | 908 | 101 | 1320 | | | | | | | | 18 |
| 19 | 87 | 137 | 924 | 98 | 1330 | | | | | | | | 19 |
| 20 | 93 | 145 | 930 | 101 | 1340 | | | | | | | | 20 |
| 21 | 125 | 148 | 936 | 120 | 1350 | | | | | | | | 21 |
| 22 | 140 | 149 | 936 | 4490 E | 1430 | | | | | | | | 22 |
| 23 | 138 | 159 | 939 | 2180 E | 1790 | | | | | | | | 23 |
| 24 | 137 | 173 | 683 | 1990 | 1810 | | | | | | | | 24 |
| 25 | 135 | 183 | 583 | 2380 | 1290 | | | | | | | | 25 |
| 26 | 148 | 185 | 581 | 2310 E | 1130 | | | | | | | | 26 |
| 27 | 151 | 183 | 564 | 6750 E | 1130 | | | | | | | | 27 |
| 28 | 150 | 190 | 562 | 7300 E | 964 | | | | | | | | 28 |
| 29 | 148 | 183 | 564 | 4140 E | | | | | | | | | 29 |
| 30 | 142 | 199 | 562 | 4100 E | | | | | | | | | 30 |
| 31 | 137 | | 562 | 5160 E | | | | | | | | | 31 |
| MEAN | 110 | 149 | 1044 | 1523 | 1754 | | | | | | | | MEAN |
| MAX. | 151 | 199 | 4160 E | 7300 E | 3990 E | | | | | | | | MAX. |
| MIN. | 86 | 129 | 235 | 98 | 964 | | | | | | | | MIN. |
| AC. FT. | 6780 | 8854 | 64210 | 93670 | 97420 | | | | | | | | AC. FT. |

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|-------------------------------|-------------------|----------|----------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 34 44 31 | 120 56 21 | SW 24 2S 9E | 85800 | 103.18 | 12-23-55 | JUL 40-MAR 67 | | 1940 | | 0.00 | USCGS |
| Station located at Burneyville Bridge, immediately north of Riverbank. Drainage area is 1,055 square miles. Station discontinued on March 7, 1967. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-----------------------------------|
| 1967 | B03115 | STANISLAUS RIVER AT KOETITZ RANCH |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|-------|-------|--------|-------|--------|--------|--------|--------|--------|--------|-------|-------|---------|
| 1 | 130 | 132 | 178 | 662 | 3310 | 878 * | 1820 | 4230 | 8490 | 6100 | 345 | 285 * | 1 |
| 2 | 115 | 129 * | 196 | 651 | 3040 | 672 | 2470 | 4160 * | 8380 * | 6090 | 337 * | 314 | 2 |
| 3 | 135 * | 128 | 224 | 495 | 2780 | 640 | 2500 | 4090 | 7200 | 5960 | 314 | 348 | 3 |
| 4 | 141 | 128 | 263 | 487 | 2280 | 613 | 2230 | 4010 | 4320 | 5680 | 271 | 391 | 4 |
| 5 | 157 | 128 | 284 | 611 | 1980 | 605 | 1880 * | 3960 | 3550 | 4270 | 268 | 348 | 5 |
| 6 | 184 | 132 | 406 | 630 | 1900 | 601 | 1790 | 3880 | 4100 | 3960 * | 278 | 351 | 6 |
| 7 | 175 | 140 | 1590 | 632 | 1870 | 596 | 2430 | 3490 | 5050 | 3340 | 266 | 323 | 7 |
| 8 | 152 | 138 | 2330 * | 632 | 1860 | 554 | 3880 | 3130 | 5170 | 2280 | 259 | 369 | 8 |
| 9 | 158 | 141 | 1920 | 635 * | 1850 | 417 | 4330 | 2860 | 5310 | 1680 | 247 | 309 | 9 |
| 10 | 153 | 138 | 1700 | 632 | 1830 * | 361 | 4340 | 3230 | 5770 | 1540 | 247 | 440 | 10 |
| 11 | 203 | 136 | 1620 | 601 | 1820 | 318 | 4240 | 3220 | 6200 | 1370 | 323 | 461 | 11 |
| 12 | 233 | 134 | 1590 | 415 | 1800 | 284 | 4330 | 3210 | 6540 | 1170 | 354 | 472 | 12 |
| 13 | 156 | 133 | 1450 | 338 | 1790 | 575 | 4040 | 3240 | 6220 | 969 | 331 | 476 | 13 |
| 14 | 156 | 133 | 1040 | 298 | 1780 | 1420 | 3800 | 3230 | 4980 | 913 | 317 | 394 | 14 |
| 15 | 121 | 135 | 963 | 276 | 1760 | 1610 | 3680 | 3160 | 4710 | 1000 | 249 | 394 | 15 |
| 16 | 132 | 138 | 942 | 260 | 1750 | 1680 | 3810 | 3110 | 4260 | 1100 | 266 | 537 | 16 |
| 17 | 126 | 140 | 929 | 250 | 1720 | 2880 | 3890 | 3090 | 3500 | 1470 | 261 | 517 | 17 |
| 18 | 122 | 141 | 925 | 249 | 1590 | 5190 | 3980 | 3040 | 3450 | 1760 | 293 | 553 | 18 |
| 19 | 108 | 138 | 922 | 242 | 1450 | 6980 | 4470 | 3070 | 4270 | 1160 | 216 | 483 | 19 |
| 20 | 102 | 140 | 936 | 235 | 1420 | 7070 * | 4660 | 3030 | 5460 | 1070 | 296 | 454 | 20 |
| 21 | 104 | 143 | 946 | 243 | 1400 | 6620 | 4500 | 2960 | 5560 | 883 | 360 | 521 | 21 |
| 22 | 111 | 144 | 955 | 488 | 1380 | 5100 | 4690 | 3060 | 5560 * | 865 | 304 | 619 | 22 |
| 23 | 120 | 144 | 964 | 2490 | 1480 | 3700 | 4800 | 3840 | 5780 | 774 | 293 | 627 | 23 |
| 24 | 128 | 148 | 941 | 1790 | 1620 | 3170 | 4670 | 6420 * | 6540 | 682 | 323 | 655 | 24 |
| 25 | 126 | 153 | 783 | 2050 | 1540 | 3040 | 4680 | 8510 * | 6920 | 615 | 271 | 647 | 25 |
| 26 | 126 | 170 | 722 | 2040 | 1200 | 2930 | 4600 | 8410 | 6960 | 615 | 247 | 599 | 26 |
| 27 | 132 | 174 | 702 | 2390 | 1130 | 2720 | 4520 * | 8230 | 6920 | 525 | 304 | 517 | 27 |
| 28 | 137 | 174 | 684 | 3640 | 1090 | 2380 | 4430 | 8330 | 6920 | 735 | 271 | 573 | 28 |
| 29 | 138 | 175 | 671 | 3710 | | 2020 | 4350 | 8300 | 6620 | 461 | 254 | 627 | 29 |
| 30 | 137 | 175 | 664 | 3090 | | 1740 | 4300 | 8350 | 6210 | 410 | 254 | 639 | 30 |
| 31 | 135 | | 663 | 3270 | | 1580 | | 8390 | | 345 | 236 | | 31 |
| MEAN | 140 | 143 | 939 | 1111 | 1801 | 2224 | 3804 | 4621 | 5697 | 1929 | 286 | 475 | MEAN |
| MAX. | 233 | 175 | 2330 | 3710 | 3310 | 284 | 4800 | 8510 | 8490 | 6100 | 360 | 655 | MAX. |
| MIN. | 102 | 128 | 178 | 235 | 1090 | 7070 | 1790 | 2860 | 3450 | 345 | 216 | 285 | MIN. |
| AC. FT. | 8634 | 8533 | 57720 | 68300 | 100000 | 136700 | 226300 | 284100 | 339000 | 118600 | 17560 | 28250 | AC. FT. |

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 1925 | 8820 | 46.16 | 5 | 25 | 1400 | 99 | 26.89 | 10 | 21 | 1330 | 1394000 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | |
|----------|-----------|---------------------------------|-------------------|----------|------|------------------|---------------------|---------------|------|--------------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | |
| 37 41 57 | 121 10 08 | SW 2 3S 7E | | | | OCT 62-DATE | MAR 50-SEP 62 | 1950 | 1951 | 0.00 |
| | | | | | | | | 1951 | | 0.00 |
| | | | | | | | | 1951 | | 3.60 |
| | | | | | | | | | | USCGS |

Station located on left bank 9.35 miles upstream from mouth, 0.6 mile northwest of Bacon and Gates Road junction, 3.7 miles southwest of Ripon. It is possible that backwater from San Joaquin River could affect the stage-discharge relationship.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---------------------------------|
| 1967 | B07020 | SAN JOAQUIN RIVER NEAR VERNALIS |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|--------|--------|--------|--------|
| 1 | 780 | 1040 | 1450 | 3100 | 8070 | 4040 | 5910 * | 24900 | 22500 | 20400 | 2360 | 1910 | 1 |
| 2 | 785 | 1040 * | 1510 | 2710 | 7880 | 3750 | 7930 | 24200 | 23100 * | 20800 | 2250 | 1980 | 2 |
| 3 | 857 | 1200 | 1620 | 2490 | 8260 | 3590 | 8830 | 23600 * | 23200 | 21100 | 2340 | 2060 | 3 |
| 4 | 906 * | 1340 | 1680 | 2400 | 8270 | 3420 | 8920 | 23200 | 22000 | 21000 | 2310 | 2100 | 4 |
| 5 | 940 | 1340 | 1730 | 2610 | 7930 | 3240 | 7620 | 22800 | 20300 | 20300 | 2130 | 2010 | 5 |
| 6 | 955 | 1350 | 1820 | 2590 | 7600 * | 2790 | 6740 | 22300 | 20100 | 19400 | 2100 | 1910 | 6 |
| 7 | 995 | 1420 | 3150 | 2600 | 7370 | 2480 | 7490 | 21800 | 21500 | 18900 | 2130 | 1880 | 7 |
| 8 | 955 | 1440 | 5660 | 2560 | 7410 | 2510 | 10300 | 21200 | 21700 | 17900 | 2180 | 1870 * | 8 |
| 9 | 1000 | 1440 | 6660 | 2440 | 7610 | 2350 | 12700 | 20600 | 20500 | 16900 | 2130 | 1800 | 9 |
| 10 | 1000 * | 1450 | 7510 | 2390 | 7740 | 2240 | 13700 | 20200 | 20200 | 15800 | 2100 * | 1890 | 10 |
| 11 | 945 | 1450 | 8470 | 2470 | 7770 | 2340 | 13900 | 20500 | 20600 | 14400 | 2040 | 1990 | 11 |
| 12 | 1060 | 1430 | 8170 | 2340 | 7480 | 3420 | 14000 | 21500 * | 21400 | 13600 | 2080 | 1990 | 12 |
| 13 | 1150 | 1440 | 6960 * | 2200 | 6830 | 2520 * | 13800 | 21700 | 22200 | 11900 | 2110 | 1890 | 13 |
| 14 | 1180 | 1420 | 5860 | 2150 | 6300 | 3210 | 13900 | 19800 | 22000 | 10300 | 2090 | 1870 | 14 |
| 15 | 1220 | 1390 * | 5170 | 2050 | 5880 | 4130 | 14000 | 18500 | 19800 | 8270 | 1980 | 1830 | 15 |
| 16 | 1260 | 1460 | 4900 | 1940 | 5800 | 5500 | 13000 | 18300 | 17700 | 6600 | 1930 | 1910 | 16 |
| 17 | 1300 | 1500 | 4760 | 1900 | 5740 | 8630 * | 12100 | 18500 | 16200 | 7030 | 1890 | 1990 | 17 |
| 18 | 1260 | 1490 | 4630 | 1910 | 5530 | 12100 | 11500 | 18500 | 16100 | 7540 | 1850 | 2040 | 18 |
| 19 | 1220 | 1470 | 4540 * | 1920 | 5300 | 14600 | 11800 | 18000 | 16800 | 7190 | 1830 | 2100 | 19 |
| 20 | 1260 | 1410 | 4470 | 1940 * | 5130 | 15900 * | 14100 | 17400 | 17800 | 6520 | 1870 | 2040 | 20 |
| 21 | 1280 | 1200 | 4440 | 1980 | 5110 | 16300 | 15400 | 16900 | 18600 | 5520 | 1930 | 1970 | 21 |
| 22 | 1290 | 1100 | 4420 | 2320 | 4990 | 15500 | 15800 | 16300 * | 18700 | 4660 | 1940 | 2030 | 22 |
| 23 | 1320 | 1220 | 4400 | 3920 | 4990 | 13600 | 17000 | 16600 | 18300 | 4240 | 1860 | 2100 | 23 |
| 24 | 1320 | 1430 | 4400 | 4590 | 5180 | 10500 | 18400 | 17800 | 18000 | 3750 * | 1860 | 2160 | 24 |
| 25 | 1190 | 1460 | 4300 | 4720 * | 5010 | 8390 | 20400 | 19300 | 18400 | 3470 | 1890 | 2230 | 25 |
| 26 | 1100 | 1240 | 4200 | 5650 | 4630 | 7380 | 23700 * | 21000 | 19200 | 3500 | 1860 | 2220 | 26 |
| 27 | 1100 | 1200 | 4160 | 4950 | 4260 * | 6660 | 25000 | 21000 | 20200 * | 2970 | 1850 | 2190 | 27 |
| 28 | 1120 | 1190 | 4100 * | 5660 | 4100 | 6050 | 25200 | 20700 | 20900 | 2620 | 1930 | 2140 | 28 |
| 29 | 1140 | 1110 | 3670 | 6230 | | 5450 | 25800 | 21000 | 21200 | 2440 | 1950 | 2290 | 29 |
| 30 | 1120 | 1220 | 3430 | 5960 | | 4990 | 25900 | 21300 | 20800 | 2460 | 1910 | 2470 | 30 |
| 31 | 1130 | | 3400 | 6760 | | 5050 | | 21900 | | 2460 | 1960 | | 31 |
| MEAN | 1101 | 1330 | 4375 | 3208 | 6363 | 6536 | 14490 | 20360 | 20000 | 10450 | 2021 | 2029 | MEAN |
| MAX. | 1320 | 1500 | 8470 | 6760 | 8270 | 16300 | 25900 | 24900 | 23200 | 21100 | 2360 | 2470 | MAX. |
| MIN. | 780 | 1040 | 1450 | 1900 | 4100 | 2240 | 5910 | 16300 | 16100 | 2440 | 1830 | 1800 | MIN. |
| AC.FT. | 67710 | 79120 | 269000 | 197300 | 353400 | 401900 | 862500 | 1252000 | 1190000 | 642500 | 124200 | 120700 | AC.FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 7681 | 26100 | 29.28 | 4 | 30 | 0200 | 780 | 10.39 | 10 | 1 | | 5561000 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|--|-----------|-------------------------------|-------------------|----------|---------|------------------|---------------------|---------------|------|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE NT. | DATE | | | FROM | TO | | |
| 37 40 34 | 121 15 51 | | 79000 | 27.75 | 12-9-50 | JUL 22-DEC 23 | | 1931 | 1959 | 8.4 | USED |
| | | | | 32.81a | 12-9-50 | JAN 24-FEB 25 | | | | | |
| | | | | | | JUN 25-OCT 28 | | 1931 | 1959 | 5.06 | USCGS |
| | | | | | | MAY 29-DATE | | 1959 | | 0.00 | USCGS |
| Station located on left bank 80 feet upstream from the Durham Ferry Highway Bridge, 3 miles downstream from the Stanislaus River 3.4 miles northeast of Vernalis. Drainage area is approximately 13,540 square miles. Natural flow of stream affected by storage reservoirs, power developments, ground water withdrawals and diversions for irrigation. Low flows consist mainly of return flow from irrigation. This station is operated under the Federal-State Cooperative Program. Equipped with DWR radio telemeter. The records are furnished by the U. S. Geological Survey. | | | | | | | | | | | |

a Reflects present datum.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---|
| 1967 | C01120 | SOUTH FORK KINGS RIVER BELOW EMPIRE WEIR #2 |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|------|-------|------|-------|------|-------|---------|
| 1 | | | 0 | | | 0 | | 59 | 179 | 122 | 43 | 159 | 1 |
| 2 | | | 0 | | | 0 | | 35 | 175 | 457 | 37 | 179 | 2 |
| 3 | | | 0 | | | 0 | | 31 | 125 | 854 | 29 | 202 | 3 |
| 4 | | | 0 | | | 0 | | 31 | 102 | 1610 | 162 | 170 | 4 |
| 5 | | | 0 | | | 0 | | 395 | 124 | 1860 | 217 | 165 | 5 |
| 6 | | | 0 | | | 0 | | 591 | 175 | 1890 | 242 | 165 | 6 |
| 7 | | | 0 | | | 0 | | 537 | 162 | 1750 | 254 | 172 | 7 |
| 8 | | | 22 | | | 0 | | 480 | 149 | 1180 | 264 | 187 | 8 |
| 9 | | | 139 | | | 0 | | 440 | 149 | 667 | 189 | 134 | 9 |
| 10 | | | 0 | | | 0 | | 530 | 140 | 154 | 116 | 131 | 10 |
| 11 | | | 0 | | | 0 | | 810 | 110 | 7 | 63 | 135 | 11 |
| 12 | N | N | 0 | N | N | 0 | N | 1150 | 53 | 66 | 31 | 134 | 12 |
| 13 | O | O | 0 | O | O | 0 | O | 1320 | 13 | 131 | 35 | 96 | 13 |
| 14 | | | 0 | | | 0 | | 1490 | 0 | 189 | 19 | 29 | 14 |
| 15 | | | 0 | | | 0 | | 1600 | 0 | 320 | 19 | 7 | 15 |
| 16 | F | F | 0 | F | F | 0 | F | 1560 | 0 | 430 | 18 | 6 | 16 |
| 17 | L | L | 0 | L | L | 0 | L | 1520 | 0 | 425 | 18 | 23 | 17 |
| 18 | O | O | 0 | O | O | 0 | O | 1410 | 0 | 369 | 26 | 24 | 18 |
| 19 | W | W | 0 | W | W | 0 | W | 1410 | 0 | 336 | 43 | 24 | 19 |
| 20 | | | 0 | | | 2 | | 720 | 0 | 288 | 131 | 22 | 20 |
| 21 | | | 0 | | | 5 | | 250 | 0 | 249 | 194 | 22 | 21 |
| 22 | | | 0 | | | 5 | | 96 | 0 | 257 | 182 | 22 | 22 |
| 23 | | | 0 | | | 29 | | 159 | 0 | 192 | 172 | 22 | 23 |
| 24 | | | 0 | | | 35 | | 102 | 0 | 177 | 119 | 22 | 24 |
| 25 | | | 0 | | | 35 | | 18 | 0 | 220 | 102 | 22 | 25 |
| 26 | | | 0 | | | 31 | | 8 | 0 | 143 | 107 | 22 | 26 |
| 27 | | | 0 | | | 0 | | 8 | 33 | 37 | 128 | 22 | 27 |
| 28 | | | 0 | | | 0 | | 12 | 70 | 4 | 140 | 22 | 28 |
| 29 | | | 0 | | | 0 | | 215 | 70 | 3 | 137 | 22 | 29 |
| 30 | | | 0 | | | 0 | | 202 | 134 | 3 | 143 | 22 | 30 |
| 31 | | | 0 | | | 0 | | 202 | | 5 | 152 | | 31 |
| MEAN | | | 5 | | | 5 | | 561 | 65 | 464 | 114 | 79 | MEAN |
| MAX. | | | 139 | | | 35 | | 1600 | 179 | 1890 | 264 | 202 | MAX. |
| MIN | | | 0 | | | 0 | | 8 | 0 | 3 | 18 | 6 | MIN. |
| AC. FT. | | | 319 | | | 282 | | 34495 | 3894 | 28552 | 7005 | 4728 | AC. FT. |

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 H - E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|----|-----|------|-----------|----------|----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO | DAY | TIME | DISCHARGE | GAGE HT. | MO | DAY | TIME | ACRE FEET |
| 110 | 2020 | 4.42 | 7 | 4 | 1800 | 0 | | 10 | 1 | 0000 | 79275 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | | DATUM OF GAGE | | |
|--|-----------|---------------------------------|-------------------|----------|----------|------------------|---------------------|--|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | | PERIOD | | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | | FROM | TO | |
| 36 10 | 119 50 | 20S 19E | 4010a | | 11-22-50 | 37-DATE | | | | | |
| Station located 1.0 mile southwest of Stratford. South Fork Kings River, composed of Kings River water, is a tributary to the Tulare Lake area. Records furnished by Kings River Water Association. a Maximum discharge since 1950. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|--------------------------------------|
| 1967 | C02602 | CROSS CREEK BELOW LAKE LAND CANAL #2 |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|-------|------|------|------|------|-------|------|------|------|-------|---------|
| 1 | | | 0 | 12 | 2 | | 0 | 190 | 15 | 0 | | | 1 |
| 2 | | | 0 | 12 | 0 | | 0 | 175 | 15 | 30 | | | 2 |
| 3 | | | 0 | 12 | 0 | | 0 | 160 | 0 | 70 | | | 3 |
| 4 | | | 0 | 12 | 0 | | 0 | 158 | 0 | 70 | | | 4 |
| 5 | | | 0 | 12 | 0 | | 10 | 210 | 0 | 25 | | | 5 |
| 6 | | | 20 | 12 | 0 | | 30 | 395 | 0 | 0 | | | 6 |
| 7 | | | 140 | 12 | 0 | | 25 | 396 | 0 | 0 | | | 7 |
| 8 | | | 660 | 12 | 0 | | 50 | 394 | 0 | 0 | | | 8 |
| 9 | | | 800 | 12 | 0 | | 6 | 420 | 0 | 0 | | | 9 |
| 10 | | | 700 | 12 | 0 | | 0 | 415 | 0 | 0 | | | 10 |
| 11 | | | 700 | 12 | 0 | | 0 | 440 | 0 | 0 | | | 11 |
| 12 | N | N | 900 | 12 | 0 | N | 0 | 440 | 0 | 0 | N | N | 12 |
| 13 | O | O | 1000 | 12 | 0 | O | 0 | 446 | 0 | 0 | O | O | 13 |
| 14 | | | 1250 | 12 | 0 | | 0 | 457 | 0 | 0 | | | 14 |
| 15 | | | 1250 | 12 | 0 | | 0 | 467 | 5 | 0 | | | 15 |
| 16 | F | F | 1130 | 12 | 0 | F | 0 | 445 | 20 | 0 | F | F | 16 |
| 17 | L | L | 1080 | 12 | 0 | L | 0 | 337 | 20 | 0 | L | L | 17 |
| 18 | O | O | 1080 | 10 | 0 | O | 0 | 42 | 18 | 0 | O | O | 18 |
| 19 | W | W | 1200 | 8 | 0 | W | 0 | 25 | 18 | 0 | W | W | 19 |
| 20 | | | 1220 | 5 | 0 | | 0 | 25 | 20 | 0 | | | 20 |
| 21 | | | 1180 | 4 | 0 | | 24 | 25 | 20 | 0 | | | 21 |
| 22 | | | 1190 | 4 | 0 | | 41 | 25 | 20 | 0 | | | 22 |
| 23 | | | 455 | 4 | 0 | | 30 | 25 | 20 | 0 | | | 23 |
| 24 | | | 75 | 3 | 0 | | 10 | 30 | 10 | 0 | | | 24 |
| 25 | | | 15 | 2 | 0 | | 0 | 30 | 0 | 0 | | | 25 |
| 26 | | | 15 | 2 | 0 | | 0 | 30 | 0 | 0 | | | 26 |
| 27 | | | 15 | 2 | 0 | | 0 | 30 | 0 | 0 | | | 27 |
| 28 | | | 15 | 2 | 0 | | 19 | 25 | 0 | 0 | | | 28 |
| 29 | | | 15 | 2 | | | 128 | 25 | 0 | 0 | | | 29 |
| 30 | | | 12 | 3 | | | 245 | 25 | 0 | 0 | | | 30 |
| 31 | | | 12 | 3 | | | | 20 | 0 | 0 | | | 31 |
| MEAN | | | 520 | 8.3 | 0 | | 20.6 | 204 | 6.7 | 6.3 | | | MEAN |
| MAX. | | | 1250 | 12 | 2 | | 245 | 467 | 20 | 70 | | | MAX. |
| MIN. | | | 0 | 2 | 0 | | 0 | 20 | 0 | 0 | | | MIN. |
| AC. FT. | | | 31992 | 512 | 4 | | 1226 | 12550 | 399 | 386 | | | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 H — E AND *

| MEAN |
|-----------|
| DISCHARGE |
| 65.0 |

| MAXIMUM | | | |
|-----------|----------|-----|----------|
| DISCHARGE | GAGE HT. | MO. | DAY TIME |
| | | | |

| MINIMUM | | | |
|-----------|----------|-----|----------|
| DISCHARGE | GAGE HT. | MO. | DAY TIME |
| | | | |

| TOTAL |
|-----------|
| ACRE FEET |
| 47069 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|-------------------------------|-------------------|----------|------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE NT. | DATE | | | FROM | TO | | |
| 36 12 42 | 119 34 05 | NE 10 20S 22E | | | | 21-DATE | | | | | |
| Station located downstream from Cross Creek Weir, 4 miles east of Guernsey. Tributary to Tulare Lake area. At times the flow is a combination of water from Kaweah River, Kings River, and Cottonwood Creek. Records furnished by the Corcoran Irrigation District. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---|
| 1967 | C03913 | FRIANT-KERN CANAL DELIVERY TO PORTER SLOUGH |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|------|-----|------|------|------|-------|---------|
| 1 | 4.6 | | | | | 0 | 7.3 | | | 0 | 5.9 | 8.2 | 1 |
| 2 | 1.4 | | | | | 0 | 11 | | | 0 | 5.9 | 8.2 | 2 |
| 3 | 0 | | | | | 0 | 11 | | | 0 | 5.9 | 8.2 | 3 |
| 4 | 0 | | | | | 0 | 11 | | | 0 | 5.9 | 7.8 | 4 |
| 5 | 0 | | | | | 0 | 11 | | | 0 | 5.9 | 7.8 | 5 |
| 6 | 0 | | | | | 0 | 16 | | | 0 | 5.9 | 7.8 | 6 |
| 7 | 0 | | | | | 0 | 20 | | | 2 | 5.9 | 8.2 | 7 |
| 8 | 0 | | | | | 0 | 21 | | | 3.5 | 5.9 | 8.2 | 8 |
| 9 | 0 | | | | | 0 | 21 | | | 3.2 | 6.2 | 8.2 | 9 |
| 10 | 0 | | | | | 0 | 21 | | | 4.5 | 6.2 | 8.2 | 10 |
| 11 | 0 | | | | | 0 | 22 | | | 5.1 | 6.2 | 8.2 | 11 |
| 12 | 0 | N | N | N | N | 0 | 22 | N | N | 5.1 | 6.2 | 12 | 12 |
| 13 | 0 | O | O | O | O | 0 | 22 | O | O | 4.4 | 5.9 | 12 | 13 |
| 14 | 0 | | | | | 0 | 22 | | | 4.4 | 6.2 | 9.8 | 14 |
| 15 | 0 | | | | | 0 | 22 | | | 4.4 | 6.2 | 9 | 15 |
| 16 | 0 | F | F | F | F | 3.8 | 22 | F | F | 4.4 | 6.2 | 7.6 | 16 |
| 17 | 0 | L | L | L | L | 4.8 | 22 | L | L | 3.7 | 6.2 | 4.3 | 17 |
| 18 | 0 | O | O | O | O | 4.8 | 22 | O | O | 2.9 | 6.2 | 3.2 | 18 |
| 19 | 0 | W | W | W | W | 4.4 | 22 | W | W | 4.5 | 6.2 | 3.5 | 19 |
| 20 | 0 | | | | | 4.1 | 9.2 | | | 6.2 | 7.4 | 3.2 | 20 |
| 21 | 0 | | | | | 4.1 | 00 | | | 6.2 | 8.2 | 3.2 | 21 |
| 22 | 0 | | | | | 3.8 | 00 | | | 6.2 | 8.2 | 3.2 | 22 |
| 23 | 0 | | | | | 0 | 0 | | | 5.9 | 8.2 | 3.2 | 23 |
| 24 | 0 | | | | | 0 | 0 | | | 5.9 | 8.2 | 3.2 | 24 |
| 25 | 0 | | | | | 0 | 0 | | | 6.2 | 8.2 | 3 | 25 |
| 26 | 0 | | | | | 0 | 0 | | | 6.2 | 8.2 | 2.9 | 26 |
| 27 | 0 | | | | | 3.9 | 0 | | | 6.2 | 8.2 | 2.9 | 27 |
| 28 | 0 | | | | | 5.9 | 0 | | | 6.2 | 8.2 | 2.9 | 28 |
| 29 | 0 | | | | | 5.5 | 0 | | | 6.2 | 8.2 | 2.9 | 29 |
| 30 | 0 | | | | | 5.1 | 0 | | | 6.2 | 8.2 | 1 | 30 |
| 31 | 0 | | | | | 5.1 | | | | 5.9 | 8.2 | | 31 |
| MEAN | 0.2 | | | | | 1.8 | 11.9 | | | 4.1 | 6.9 | 6.1 | MEAN |
| MAX. | 4.6 | | | | | 5.9 | 22 | | | 6.2 | 8.2 | 12 | MAX. |
| MIN. | 0 | | | | | 0 | 0 | | | 0 | 5.9 | 1 | MIN. |
| AC. FT. | 12 | | | | | 110 | 709 | | | 249 | 442 | 361 | AC. FT. |

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

| MEAN |
|-----------|
| DISCHARGE |
| 2.6 |

| MAXIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| | | | | |

| MINIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| | | | | |

| TOTAL |
|-----------|
| ACRE FEET |
| 1863 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | |
|--|-----------|---------------------------------|-------------------|----------|------|------------------|---------------------|---------------|----|--------------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE |
| | | | CFS | GAGE HT. | OATE | | | FROM | TO | |
| 36 05 00 | 119 04 50 | SW20 21S 27E | | | | MAY 50-DATE | | | | |
| These flows are deliveries from Friant-Kern Canal into Porter Slough. Delivery is at the intersection of Porter Slough with the Friant-Kern Canal approximately 4 miles west of Porterville. Records furnished by U. S. Bureau of Reclamation. | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|--|
| 1967 | C03923 | FRIANT-KERN CANAL DELIVERY TO TULE RIVER |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|------|-----|------|------|------|-------|---------|
| 1 | | | | | | 0 | 126 | | | 0 | 0 | 54 | 1 |
| 2 | | | | | | 0 | 124 | | | 0 | 0 | 54 | 2 |
| 3 | | | | | | 0 | 129 | | | 25 | 0 | 55 | 3 |
| 4 | | | | | | 0 | 142 | | | 48 | 0 | 55 | 4 |
| 5 | | | | | | 0 | 149 | | | 48 | 0 | 54 | 5 |
| 6 | | | | | | 0 | 152 | | | 74 | 0 | 54 | 6 |
| 7 | | | | | | 0 | 152 | | | 105 | 0 | 54 | 7 |
| 8 | | | | | | 0 | 152 | | | 126 | 0 | 54 | 8 |
| 9 | | | | | | 0 | 152 | | | 149 | 0 | 54 | 9 |
| 10 | | | | | | 0 | 152 | | | 149 | 0 | 55 | 10 |
| 11 | | | | | | 0 | 147 | | | 122 | 0 | 55 | 11 |
| 12 | N | N | N | N | N | 0 | 116 | N | N | 102 | 0 | 55 | 12 |
| 13 | O | O | O | O | O | 0 | 120 | O | O | 100 | 0 | 55 | 13 |
| 14 | | | | | | 0 | 124 | | | 99 | 0 | 54 | 14 |
| 15 | | | | | | 0 | 53 | | | 100 | 29 | 55 | 15 |
| 16 | F | F | F | F | F | 54 | 0 | F | F | 102 | 30 | 55 | 16 |
| 17 | L | L | L | L | L | 100 | 0 | L | L | 100 | 30 | 55 | 17 |
| 18 | O | O | O | O | O | 37 | 0 | O | O | 100 | 30 | 70 | 18 |
| 19 | W | W | W | W | W | 0 | 0 | W | W | 100 | 30 | 80 | 19 |
| 20 | | | | | | 0 | 0 | | | 100 | 30 | 80 | 20 |
| 21 | | | | | | 0 | 0 | | | 100 | 56 | 79 | 21 |
| 22 | | | | | | 0 | 0 | | | 99 | 70 | 79 | 22 |
| 23 | | | | | | 0 | 0 | | | 84 | 71 | 79 | 23 |
| 24 | | | | | | 0 | 0 | | | 61 | 71 | 80 | 24 |
| 25 | | | | | | 41 | 0 | | | 37 | 60 | 62 | 25 |
| 26 | | | | | | 75 | 0 | | | 0 | 56 | 31 | 26 |
| 27 | | | | | | 75 | 0 | | | 0 | 55 | 7.5 | 27 |
| 28 | | | | | | 98 | 0 | | | 0 | 55 | 0 | 28 |
| 29 | | | | | | 138 | 0 | | | 0 | 54 | 0 | 29 |
| 30 | | | | | | 141 | 0 | | | 0 | 55 | 0 | 30 |
| 31 | | | | | | 129 | | | | 0 | 54 | | 31 |
| MEAN | | | | | | 28.6 | 66.3 | | | 68.7 | 27.0 | 52.5 | MEAN |
| MAX. | | | | | | 141 | 152 | | | 149 | 71.0 | 80.0 | MAX. |
| MIN. | | | | | | 0 | 0 | | | 0 | 0 | 0 | MIN. |
| AC. FT. | | | | | | 1761 | 3947 | | | 4225 | 1658 | 3123 | AC. FT. |

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 H - E AHD *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 20.3 | | | | | | 0 | | 10 | 1 | 0000 | 14714 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|-------------------------------|-------------------|----------|------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.O.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 36 04 25 | 119 05 15 | NW29 21S 27E | | | | MAY 50-DATE | | | | | |
| These flows are deliveries from Friant-Kern Canal into Tule River. Point of delivery is located on the Tule River approximately 4 miles west of Porterville where Friant-Kern Canal crosses the Tule River. Records furnished by U. S. Bureau of Reclamation. | | | | | | | | | | | |

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|--------------------------------------|
| 1967 | C32100 | NORTH FORK TULE RIVER AT SPRINGVILLE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|---------|------|------|------|------|-----|------|------|------|-------|---------|
| 1 | 0.3 | 1.0* | 7.3 | | | | | | | | | | 1 |
| 2 | 0.5 | 1.0 | 5.5a | | | | | | | | | | 2 |
| 3 | 0.7 | 1.2 | | | | | | | | | | | 3 |
| 4 | 0.6* | 1.5 | | | | | | | | | | | 4 |
| 5 | 0.7 | 1.7 | 3893 a | | | | | | | | | | 5 |
| 6 | 0.8 | 2.3 | 24200 b | | | | | | | | | | 6 |
| 7 | 0.9 | 1.7 | 1701 a | | | | | | | | | | 7 |
| 8 | 1.0 | 2.7 | | | | | | | | | | | 8 |
| 9 | 0.7 | 2.0 | 377 a | | | | | | | | | | 9 |
| 10 | 0.8 | 1.5 | | | | | | | | | | | 10 |
| 11 | 0.7 | 1.0 | | | | | | | | | | | 11 |
| 12 | 0.7 | 0.7 | | | | | | | | | | | 12 |
| 13 | 0.6 | 0.7 | 163 a | | | | | | | | | | 13 |
| 14 | 0.5 | 0.6 | | | | | | | | | | | 14 |
| 15 | 0.4 | 0.6 | | | | | | | | | | | 15 |
| 16 | 0.4 | 0.6 | | | | | | | | | | | 16 |
| 17 | 0.5* | 0.4 | | | | | | | | | | | 17 |
| 18 | 0.5 | 0.3 | | | | | | | | | | | 18 |
| 19 | 0.7 | 0.3 | | | | | | | | | | | 19 |
| 20 | 0.9 | 1.6 | | | | | | | | | | | 20 |
| 21 | 1.0 | 4.4 | | | | | | | | | | | 21 |
| 22 | 0.9 | 2.3 | | | | | | | | | | | 22 |
| 23 | 0.7 | 0.9 | | | | | | | | | | | 23 |
| 24 | 0.6 | 0.8 | | | | | | | | | | | 24 |
| 25 | 0.5 | 0.7 | | | | | | | | | | | 25 |
| 26 | 0.5 | 0.7 | | | | | | | | | | | 26 |
| 27 | 0.7 | 0.7 | | | | | | | | | | | 27 |
| 28 | 0.8 | 1.0 | | | | | | | | | | | 28 |
| 29 | 0.9 | 36 | 47 a | | | | | | | | | | 29 |
| 30 | 0.7 | 15 | | | | | | | | | | | 30 |
| 31 | 0.7 | | | | | | | | | | | | 31 |
| MEAN | 0.7 | 2.9 | | | | | | | | | | | MEAN |
| MAX. | 1.0 | 36 | | | | | | | | | | | MAX. |
| MIN. | 0.3 | 0.3 | | | | | | | | | | | MIN. |
| AC. FT. | 41 | 170 | | | | | | | | | | | AC. FT. |

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.

- E AND R

a - RESULT OF DISCHARGE MEASUREMENT

b - RESULT OF SLOPE-AREA MEASUREMENT

| MEAN DISCHARGE | MAXIMUM | | | | | MINIMUM | | | | | TOTAL ACRE FEET |
|----------------|-----------|----------|----|-----|------|-----------|----------|----|-----|------|-----------------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO | DAY | TIME | DISCHARGE | GAGE HT. | MO | DAY | TIME | |
| 24200E | 21.15 | 12 | 6 | | | | | | | | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|-------------------------------|-------------------|----------|---------|------------------|---------------------|---------------|----|--------------------|--------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECDRD | | | DISCHARGE | GAGE HEIGHT DHLY | PERIOD | | ZERO ON GAGE | REF DATUM |
| | | | CFS | GAGE HT. | DATE | | | FRDM | TO | | |
| 36 08 23 | 118 48 16 | SE35 20S 29E | 24200E | 21.15 | 12-6-66 | FEB 57-DEC 66 | | 1957 | | 0.00 | LOCAL |

Station located at State Highway 190 Bridge, 0.8 mile northeast of Springville. Drainage area is 97.6 square miles. Maximum discharge of record from slope-area measurement. Maximum stage obtained from high water marks at gage location. Altitude of gage is approximately 990 feet (from U. S. Geological Survey topographic map). This station was washed out during the high water of December 6, 1966, and was not replaced.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|------------------------------|
| 1967 | C03169 | TULE RIVER BELOW PORTERVILLE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|--------|-------|------|-------|-------|-------|-------|-------|-------|-------|---------|
| 1 | | | 0.0 | 564 | 185 | 177 | 111 | 403 | 215 | 200 | 163 | 177 | 1 |
| 2 | | | 0.0 | 552 | 167 | 208 | 111 | 387 | 215 | 200 | 192 | 174 | 2 |
| 3 | | | 0.0 | 552 | 133 | 240 | 108 | 387 | 215 | 215 | 204 | 160 | 3 |
| 4 | | | 0.0 | 552 | 126 | 227 | 123 | 398 | 212 | 212 | 232 | 163 | 4 |
| 5 | | | 0.0 | 546 | 120 | 200 | 133 | 261 | 219 | 212 | 252 | 167 | 5 |
| 6 | | | 1720 * | 523 | 136 | 200 | 143 | 181 | 227 | 223 | 261 | 156 | 6 |
| 7 | | | 7740 * | 517 | 167 | 215 | 146 | 181 | 236 | 212 | 215 | 146 | 7 |
| 8 | | | 4730 | 506 | 160 | 208 | 129 | 188 | 219 | 223 | 163 | 149 | 8 |
| 9 | | | 3410 * | 402 | 146 | 200 | 117 | 219 | 181 | 219 | 153 | 219 | 9 |
| 10 | | | 3080 | 181 | 160 | 200 | 126 | 219 | 163 | 215 | 160 | 261 | 10 |
| 11 | | | 3400 | 156 | 163 | 200 | 129 | 219 | 160 | 176 | 163 | 236 | 11 |
| 12 | N | N | 2690 | 146 | 167 | 208 | 105 | 223 | 149 | 177 | 153 | 212 | 12 |
| 13 | O | O | 185 | 143 | 163 | 149 | 111 | 219 | 149 | 174 | 146 | 212 | 13 |
| 14 | | | 143 | 149 | 156 | 35 | 114 | 215 | 163 | 163 | 146 | 212 | 14 |
| 15 | | | 487 | 153 | 139 | 12 | 120 | 212 | 204 | 156 | 146 | 200 | 15 |
| 16 | F | F | 871 | 143 | 153 | 47 | 143 | 227 | 208 | 160 | 146 | 204 | 16 |
| 17 | L | L | 966 | 136 | 174 | 146 | 126 | 227 | 208 | 153 | 153 | 208 | 17 |
| 18 | O | O | 1110 | 133 | 185 | 129 | 153 | 274 | 212 | 143 | 160 | 227 | 18 |
| 19 | W | W | 1040 | 129 | 185 | 153 | 153 | 292 | 219 | 177 | 163 | 223 | 19 |
| 20 | | | 763 * | 126 | 174 | 153 | 153 | 348 | 219 * | 204 | 167 | 219 | 20 |
| 21 | | | 456 | 126 | 177 | 153 | 160 | 353 | 219 | 212 | 181 | 219 | 21 |
| 22 | | | 439 | 129 | 185 | 261 | 192 | 333 | 208 | 208 | 174 | 219 | 22 |
| 23 | | | 439 * | 129 | 200 | 274 | 329 | 261 | 188 | 192 | 181 | 208 | 23 |
| 24 | | | 445 | 129 | 204 | 310 | 372 | 257 | 192 | 156 | 192 | 192 | 24 |
| 25 | | | 439 | 129 | 204 | 232 | 429 | 244 | 200 | 185 | 200 | 177 | 25 |
| 26 | | | 445 | 129 | 170 | 108 | 434 | 219 | 212 | 177 | 196 | 136 | 26 |
| 27 | | | 472 | 149 | 156 | 99 | 439 | 227 | 219 | 167 | 192 | 88 | 27 |
| 28 | | | 546 | 163 | 174 | 96 | 429 | 261 | 208 | 146 | 188 | 78 | 28 |
| 29 | | | 558 * | 153 | | 133 | 403 | 252 | 212 | 149 | 174 | 83 | 29 |
| 30 | | | 564 | 170 | | 126 | 408 | 223 | 208 | 153 | 177 | 85 | 30 |
| 31 | | | 552 | 181 | | 111 | | 219 | | 156 | 170 | | 31 |
| MEAN | | | 1216 | 255 | 165 | 168 | 205 | 262 | 202 | 184 | 179 | 180 | MEAN |
| MAX. | | | 7740 | 564 | 204 | 310 | 439 | 403 | 236 | 223 | 261 | 261 | MAX. |
| MIN. | | | 0.0 | 126 | 120 | 12 | 105 | 181 | 149 | 143 | 146 | 78 | MIN. |
| AC. FT. | | | 74770 | 15660 | 9181 | 10340 | 12200 | 16120 | 12020 | 11340 | 11030 | 10730 | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 H — E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 253 | 8850 | 9.27 | 12 | 7 | 0645 | 0.0 | | 10 | 1 | 0000 | 183400 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|---------------------------------|-------------------|----------|---------|------------------|---------------------|---------------|------|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 36 04 40 | 119 06 22 | NW 30 21S 27E | 8850 | 9.27 | 12-7-66 | FEB 57-DATE | | 1957 | 1959 | 0.00 | LOCAL |
| | | | | | | | | 1959 | | -3.48 | LOCAL |

Station located 330 feet upstream from Rockford Road Bridge, 5.1 miles west of Porterville. Flows regulated by Success Reservoir and spill from Friant-Kern Canal. Altitude of gage is approximately 400 feet (from U. S. Geological Survey topographic map). Flows include Central Valley Project releases from Friant-Kern Canal to Tule River. Records furnished by the Tule River Association and published as received.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---|
| 1967 | C03970 | CAMPBELL-MORELAND DITCH ABOVE PORTERVILLE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|------|------|------|------|------|-------|---------|
| 1 | | | 0.0 | 25 | 17 | 11 | | 0.0 | 16 | 12 | 14 | 20 | 1 |
| 2 | | | 0.0 | 25 | 16 | 11 | | 0.0 | 14 | 12 | 14 | 20 | 2 |
| 3 | | | 0.0 | 25 | 16 | 3.4 | | 0.0 | 13 | 12 | 14 | 19 | 3 |
| 4 | | | 0.0 | 25 | 16 | 0.0 | | 0.0 | 13 | 12 | 14 | 19 | 4 |
| 5 | | | 0.0 | 25 | 16 | 0.0 | | 0.0 | 13 | 12 | 14 | 20 | 5 |
| 6 | | | 17 | 25 | 16 | 6.0 | | 0.0 | 12 | 12 | 14 | 20 | 6 |
| 7 | | | 27 | 24 | 16 | 14 | | 0.0 | 12 | 13 | 14 | 19 | 7 |
| 8 | | | 30 | 24 | 16 | 14 | | 0.0 | 12 | 12 | 14 | 19 | 8 |
| 9 | | | 31 | 23 | 16 | 17 | | 0.0 | 18 | 12 | 14 | 19 | 9 |
| 10 | | | 29 | 23 | 16 | 19 | | 0.0 | 20 | 13 | 14 | 19 | 10 |
| 11 | | | 28 | 24 | 16 | 19 | | 0.0 | 18 | 13 | 14 | 18 | 11 |
| 12 | N | N | 24 | 24 | 16 | 19 | N | 0.0 | 18 | 13 | 14 | 19 | 12 |
| 13 | O | O | 16 | 25 | 16 | 20 | O | 0.0 | 18 | 13 | 14 | 19 | 13 |
| 14 | | | 19 | 26 | 13 | 19 | | 0.0 | 17 | 13 | 15 | 19 | 14 |
| 15 | | | 24 | 26 | 12 | 20 | | 0.0 | 18 | 14 | 15 | 19 | 15 |
| 16 | F | F | 27 | 26 | 11 | 16 | F | 4.5 | 18 | 14 | 14 | 20 | 16 |
| 17 | L | L | 26 | 27 | 11 | 17 | L | 7.5 | 18 | 14 | 19 | 19 | 17 |
| 18 | O | O | 26 | 26 | 11 | 18 | O | 7.2 | 14 | 16 | 20 | 19 | 18 |
| 19 | W | W | 26 | 24 | 11 | 14 | W | 11 | 13 | 16 | 20 | 19 | 19 |
| 20 | | | 24 | 24 | 11 | 12 | | 13 | 12 | 6.8 | 20 | 13 | 20 |
| 21 | | | 24 | 24 | 11 | 13 | | 13 | 13 | 13 | 20 | 13 | 21 |
| 22 | | | 24 | 24 | 11 | 11 | | 13 | 12 | 16 | 21 | 12 | 22 |
| 23 | | | 26 | 24 | 11 | 12 | | 12 | 12 | 14 | 21 | 11 | 23 |
| 24 | | | 26 | 20 | 11 | 15 | | 13 | 12 | 15 | 21 | 11 | 24 |
| 25 | | | 26 | 14 | 11 | 14 | | 16 | 12 | 15 | 20 | 11 | 25 |
| 26 | | | 26 | 18 | 10 | 13 | | 16 | 12 | 15 | 20 | 11 | 26 |
| 27 | | | 26 | 21 | 11 | 3.7 | | 16 | 12 | 15 | 20 | 12 | 27 |
| 28 | | | 24 | 19 | 11 | 0.0 | | 16 | 12 | 14 | 20 | 12 | 28 |
| 29 | | | 23 | 17 | | 0.0 | | 16 | 12 | 14 | 20 | 12 | 29 |
| 30 | | | 25 | 17 | | 0.0 | | 18 | 12 | 14 | 20 | 12 | 30 |
| 31 | | | 26 | 17 | | 0.0 | | 19 | | 14 | 20 | | 31 |
| MEAN | | | 21.0 | 22.9 | 13.4 | 11.3 | | 6.8 | 14.3 | 13.3 | 17.0 | 16.5 | MEAN |
| MAX. | | | 31.0 | 27.0 | 17.0 | 20.0 | | 19.0 | 20.0 | 16.0 | 21.0 | 20.0 | MAX. |
| MIN. | | | 0.0 | 14.0 | 10.0 | 0.0 | | 0.0 | 12.0 | 6.8 | 14.0 | 11.0 | MIN. |
| AC. FT. | | | 1289 | 1410 | 746 | 696 | | 419 | 849 | 821 | 1047 | 982 | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 11.4 | | | | | | | | | | | 8259 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|---------------------------------|-------------------|----------|------|------------------|---------------------|---------------|--------|--------------------|----------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 36 02 48 | 118 56 54 | NW 4 22S 28E | | | | AUG 42-DATE | | | OCT 62 | 0.00 -2.00 | LOCAL LOCAL |

Station located 3.9 miles southeast of Porterville approximately 2,600 feet downstream from head. This is regulated diversion from Tule River. This station is operated under cooperative agreement between the Department of Water Resources and the Tule River Association. Records furnished by the Tule River Association and reviewed by the Department of Water Resources.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|------------------------------|
| 1967 | C03182 | PORTER SLOUGH AT PORTERVILLE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|---------|
| 1 | | | 0.0 | 97 | 95 | 67 | 19 | 103 | 97 | 114 | 106 | 38 | 1 |
| 2 | | | 0.0 | 96 | 91 | 64 | 19 | 103 | 97 | 114 | 100 | 33 | 2 |
| 3 | | | 0.0 | 97 | 90 | 76 | 18 | 101 | 97 | 118 | 99 | 32 | 3 |
| 4 | | | 0.0 | 98 | 97 | 93 | 14 | 101 | 98 | 121 | 104 | 32 * | 4 |
| 5 | | | 18 | 119 | 103 | 95 | 3.8 | 101 | 100 | 118 | 104 | 30 | 5 |
| 6 | | | 104 | 140 | 106 | 99 | 2.4 | 99 | 112 | 117 | 104 | 31 | 6 |
| 7 | | | 31 | 140 | 109 | 106 | 3.9 | 99 | 112 | 104 | 108 | 34 | 7 |
| 8 | | | 65 | 140 | 109 | 105 | 2.4 | 101 | 112 | 96 | 110 | 34 | 8 |
| 9 | | | 106 | 118 | 109 | 105 | 1.9 | 99 | 114 | 100 | 110 | 34 | 9 |
| 10 | | | 69 | 110 | 109 | 105 | 1.7 | 99 | 114 | 100 * | 109 | 34 | 10 |
| 11 | | | 120 | 119 | 109 | 103 | 5.6 | 99 | 114 | 100 | 109 | 33 * | 11 |
| 12 | N | N | 117 | 119 | 108 | 100 | 2.5 | 99 | 114 | 100 | 108 | 37 | 12 |
| 13 | O | O | 21 | 121 | 106 | 98 | 7.8 | 100 | 114 * | 100 | 108 | 43 | 13 |
| 14 | | | 86 | 117 | 108 | 38 | 33 | 100 | 112 | 82 | 108 * | 44 | 14 |
| 15 | | | 70 | 110 | 108 | 1.9 | 40 | 100 | 111 | 56 | 108 | 44 | 15 |
| 16 | F | F | 43 * | 111 | 109 | 24 | 38 | 101 | 110 | 41 | 108 | 44 | 16 |
| 17 | L | L | 48 | 112 | 110 | 46 | 38 | 97 | 110 | 62 | 106 | 44 | 17 |
| 18 | O | O | 53 | 112 | 110 | 41 | 41 | 96 | 110 | 43 * | 106 | 49 | 18 |
| 19 | W | W | 73 | 114 | 110 | 44 | 46 | 97 | 111 | 42 | 106 | 48 * | 19 |
| 20 | | | 87 | 115 | 98 | 49 | 87 | 99 | 112 * | 53 | 106 | 47 | 20 |
| 21 | | | 93 | 114 | 90 | 60 | 96 | 99 | 114 | 49 | 106 | 47 | 21 |
| 22 | | | 93 | 115 | 90 | 66 | 98 | 99 | 112 | 48 | 99 | 46 | 22 |
| 23 | | | 93 | 114 | 93 | 68 | 97 | 100 | 111 | 49 | 99 | 46 | 23 |
| 24 | | | 93 | 115 | 83 | 68 | 100 | 100 | 110 | 47 * | 99 | 46 | 24 |
| 25 | | | 91 | 117 | 69 | 68 | 105 | 99 | 110 | 58 | 99 | 47 * | 25 |
| 26 | | | 91 | 119 | 68 | 66 | 106 | 97 | 109 | 88 | 99 | 50 | 26 |
| 27 | | | 96 | 111 | 66 | 40 | 106 | 97 | 111 * | 104 | 99 | 51 | 27 |
| 28 | | | 100 | 98 | 68 | 24 | 105 | 96 | 117 | 110 | 99 * | 50 | 28 |
| 29 | | | 100 | 98 | | 22 | 103 | 97 | 114 | 110 | 104 | 49 | 29 |
| 30 | | | 99 | 98 * | | 20 | 103 | 98 | 114 | 109 | 104 | 49 | 30 |
| 31 | | | 97 | 97 | | 20 | | 97 | | 106 * | 72 | | 31 |
| MEAN | | | 69.6 | 113 | 97.2 | 63.9 | 48.1 | 99.1 | 110 | 85.8 | 103 | 41.5 | MEAN |
| MAX. | | | 120 | 140 | 110 | 106 | 106 | 103 | 117 | 121 | 110 | 51 | MAX. |
| MIN. | | | 0.0 | 96 | 66 | 1.9 | 1.7 | 96 | 97 | 41 | 72 | 30 | MIN. |
| AC. FT. | | | 4278 | 6944 | 5397 | 3931 | 2864 | 6095 | 6532 | 5274 | 6359 | 2471 | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 H — E AND °

| MEAN DISCHARGE 69.3 | MAXIMUM | | | | | MINIMUM | | | | | TOTAL ACRE FEET 50,150 |
|---------------------------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|------------------------------|
| | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | |
|---|-----------|------------------------------|-------------------|----------|------|------------------|---------------------|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | |
| 36 03 29 | 118 59 08 | SE31 21S 28E | | | | JAN 42-DATE | | 1957 | | 0.00 LOCAL |
| Station located at "B" Lane Bridge, immediately east of Porterville. This is regulated diversion from Tule River. Altitude of gage is approximately 465 feet (from U. S. Geological Survey topographic map). Records furnished by the Tule River Association and reviewed by the Department of Water Resources. | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|------------------------------------|
| 1967 | C03984 | PORTER SLOUGH DITCH AT PORTERVILLE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|-------|-------|------|------|------|-------|---------|
| 1 | | | | | | 0.0 | 9.2 | 9.5 | 15 | 16 | 18 | 6.7 | 1 |
| 2 | | | | | | 0.0 | 8.9 | 9.5 | 15 | 16 | 17 | 6.7 | 2 |
| 3 | | | | | | 0.0 | 7.4 | 2.5 | 16 | 16 | 17 | 6.7 | 3 |
| 4 | | | | | | 0.0 | 6.7 | 0.0 | 16 | 20 | 17 | 6.7 * | 4 |
| 5 | | | | | | 0.0 | 3.0 | 5.1 | 17 | 19 | 17 | 9.6 | 5 |
| 6 | | | | | | 0.0 | 0.6 | 9.0 | 11 | 18 | 18 | 11 | 6 |
| 7 | | | | | | 0.0 | 0.0 | 9.3 | 11 | 18 | 14 | 11 | 7 |
| 8 | | | | | | 0.0 | 0.0 | 9.1 | 11 | 17 | 15 | 11 | 8 |
| 9 | | | | | | 0.0 | 0.0 | 8.9 | 11 | 15 | 15 | 11 | 9 |
| 10 | | | | | | 0.0 | 0.0 | 9.0 | 11 | 15 * | 15 | 11 | 10 |
| 11 | | | | | | 0.0 | 0.0 | 9.3 | 11 | 15 | 16 | 11 * | 11 |
| 12 | N | N | N | N | N | 0.0 | 0.0 | 9.3 | 12 | 15 | 15 | 11 | 12 |
| 13 | O | O | O | O | O | 0.0 | 0.0 | 9.4 | 12 | 14 | 15 | 12 | 13 |
| 14 | | | | | | 0.0 | 0.0 | 9.4 | 12 | 16 | 16 * | 12 | 14 |
| 15 | | | | | | 0.0 | 0.0 | 9.5 * | 12 | 18 | 14 | 12 | 15 |
| 16 | F | F | F | F | F | 0.0 | 0.0 | 11 | 11 | 14 | 14 | 12 | 16 |
| 17 | L | L | L | L | L | 0.0 | 0.0 | 10 | 12 | 14 * | 14 | 12 | 17 |
| 18 | O | O | O | O | O | 0.0 | 0.0 | 12 | 12 | 15 | 14 | 14 | 18 |
| 19 | W | W | W | W | W | 0.0 | 0.0 | 14 | 12 * | 13 | 14 | 14 * | 19 |
| 20 | | | | | | 0.0 | 4.4 | 14 | 11 | 15 | 14 | 13 | 20 |
| 21 | | | | | | 4.1 | 9.4 | 13 | 11 | 14 | 14 * | 13 | 21 |
| 22 | | | | | | 8.3 | 8.8 | 13 * | 11 | 13 | 19 | 13 | 22 |
| 23 | | | | | | 8.4 | 9.2 | 15 | 11 | 12 | 18 | 13 | 23 |
| 24 | | | | | | 8.4 | 9.5 | 15 | 11 | 12 * | 18 | 14 | 24 |
| 25 | | | | | | 8.2 | 9.7 * | 13 | 11 | 11 | 17 | 14 * | 25 |
| 26 | | | | | | 8.1 | 9.7 | 14 | 12 | 14 | 17 | 14 | 26 |
| 27 | | | | | | 8.1 | 9.7 | 14 | 14 * | 15 | 17 | 13 | 27 |
| 28 | | | | | | 7.9 | 9.7 | 14 | 15 | 13 | 16 * | 13 | 28 |
| 29 | | | | | | 7.3 | 9.5 | 14 * | 15 | 14 | 15 | 13 | 29 |
| 30 | | | | | | 7.3 | 9.6 | 14 | 15 | 18 | 15 | 13 | 30 |
| 31 | | | | | | 10 | | 15 | | 18 * | 11 | | 31 |
| MEAN | | | | | | 2.8 | 4.5 | 10.8 | 12.6 | 15.3 | 15.7 | 11.6 | MEAN |
| MAX. | | | | | | 10 | 9.7 | 15 | 15 | 20 | 19 | 14 | MAX. |
| MIN. | | | | | | 0.0 | 0.0 | 0.0 | 11 | 11 | 11 | 6.7 | MIN. |
| AC. FT. | | | | | | 171 | 268 | 662 | 748 | 938 | 964 | 689 | AC. FT. |

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

- E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 6.1 | | | | | | | | | | | 4440 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|--|-----------|-------------------------------|-------------------|---------|------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT | DATE | | | FROM | TO | | |
| 36 04 06 | 119 01 06 | SE 26 21S 27E | | | | JAN 43-DATE | | 1943 | | 0.00 | LOCAL |
| Station located in Porterville 0.5 mile west of Porterville Post Office, approximately 150 feet downstream from head. This is regulated diversion from Tule River via Porter Slough. This station is operated under cooperative agreement between the Department of Water Resources and the Tule River Association. Records furnished by the Tule River Association and reviewed by the Department of Water Resources. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---------------------------------|
| 1967 | C03965 | VANDALIA DITCH NEAR PORTERVILLE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|------|------|------|------|------|-------|---------|
| 1 | | | 0.0 | 5.7 | 0.6 | 0.7 | 0.0 | 5.5 | 6.1 | 2.4 | 3.8 | 3.1 | 1 |
| 2 | | | 0.0 | 4.0 | 0.6 | 0.7 | 0.0 | 5.0 | 6.1 | 2.4 | 3.9 | 3.1 | 2 |
| 3 | | | 0.0 | 0.4 | 0.7 | 0.7 | 0.0 | 5.0 | 6.2 | 2.4 | 3.9 | 3.3 | 3 |
| 4 | | | 0.0 | 0.0 | 0.7 | 0.6 | 0.0 | 5.0 | 5.1 | 2.4 | 3.9 | 3.4* | 4 |
| 5 | | | 0.0 | 0.0 | 0.7 | 0.6 | 0.0 | 4.5 | 2.5 | 2.2 | 3.9 | 3.5 | 5 |
| 6 | | | 0.6 | 0.0 | 0.8 | 0.7 | 0.0 | 4.5 | 4.1 | 2.2 | 3.9 | 3.3 | 6 |
| 7 | | | 2.0 | 0.0 | 0.8 | 0.7 | 0.0 | 4.4 | 4.6 | 2.1 | 3.9 | 3.3 | 7 |
| 8 | | | 0.4 | 0.0 | 0.9 | 0.7 | 0.0 | 4.3* | 4.5 | 1.8 | 3.9 | 3.3 | 8 |
| 9 | | | 0.0 | 0.0 | 0.9 | 0.6 | 0.0 | 5.0 | 4.3 | 1.6 | 3.9 | 3.3 | 9 |
| 10 | | | 0.0 | 2.1 | 0.8 | 0.6 | 0.0 | 5.1 | 4.3 | 1.6* | 3.9 | 3.3 | 10 |
| 11 | | | 0.0 | 4.0 | 0.8 | 0.6 | 0.0 | 5.1 | 4.3 | 3.5 | 3.9 | 3.3* | 11 |
| 12 | N | N | 0.0 | 5.0 | 0.8 | 0.6 | 0.0 | 5.1 | 4.4* | 3.3 | 3.9 | 3.6 | 12 |
| 13 | O | O | 0.6 | 5.0 | 0.8 | 3.8 | 0.0 | 5.1 | 4.5 | 3.1 | 3.9 | 3.6 | 13 |
| 14 | | | 5.0 | 3.0 | 0.8 | 5.1 | 3.6 | 5.0 | 4.6 | 3.0 | 4.0* | 3.5 | 14 |
| 15 | | | 5.0 | 0.6 | 0.7 | 5.0 | 6.1 | 5.1* | 4.6 | 2.8 | 3.6 | 3.5 | 15 |
| 16 | F | F | 4.9 | 0.6 | 0.7 | 5.0 | 6.3 | 2.3 | 4.8 | 2.8 | 3.6 | 3.4 | 16 |
| 17 | L | L | 5.3 | 0.6 | 0.7 | 5.3 | 5.6 | 0.0 | 4.9 | 2.7* | 3.6 | 3.3 | 17 |
| 18 | O | O | 5.2 | 0.6 | 0.7 | 5.5 | 5.6 | 0.0 | 5.0 | 3.4 | 3.7 | 3.1 | 18 |
| 19 | W | W | 5.0 | 0.6 | 0.6 | 5.6 | 5.7 | 0.0 | 5.0* | 2.9 | 3.8 | 3.6* | 19 |
| 20 | | | 4.8 | 0.6 | 0.6 | 5.5 | 6.0 | 0.0 | 3.0 | 2.2 | 3.9 | 3.5 | 20 |
| 21 | | | 5.0 | 0.6 | 0.7 | 6.0 | 6.0 | 0.0 | 3.0 | 3.0 | 4.0* | 3.3 | 21 |
| 22 | | | 5.5 | 0.6 | 0.7 | 6.3 | 6.3 | 0.0 | 2.5 | 4.3 | 3.4* | 3.3 | 22 |
| 23 | | | 5.5 | 0.6 | 0.6 | 6.5 | 6.0 | 0.0 | 2.1 | 4.3 | 3.5 | 3.1 | 23 |
| 24 | | | 5.5 | 0.6 | 0.6 | 6.5 | 6.0 | 0.0 | 2.2* | 4.6* | 3.6 | 3.0 | 24 |
| 25 | | | 5.5 | 0.6 | 0.7 | 5.8 | 5.8* | 0.0 | 2.2 | 4.8 | 3.6 | 3.0* | 25 |
| 26 | | | 5.5 | 0.6 | 0.6 | 5.5 | 5.6 | 0.0 | 2.3 | 4.8 | 3.7 | 2.9 | 26 |
| 27 | | | 5.7 | 0.6 | 0.6 | 1.7 | 5.6 | 3.6 | 2.3 | 4.8 | 3.7 | 2.8 | 27 |
| 28 | | | 5.8 | 0.6 | 0.7 | 0.0 | 5.6 | 6.1 | 2.3 | 4.8 | 3.8* | 2.8 | 28 |
| 29 | | | 5.8 | 0.6 | | 0.0 | 5.5 | 6.1* | 2.3 | 4.8 | 3.0 | 2.7 | 29 |
| 30 | | | 5.8 | 0.6 | | 0.0 | 5.5 | 6.1 | 2.4 | 4.3 | 3.1 | 2.7 | 30 |
| 31 | | | 5.7 | 0.6 | | 0.0 | | 6.1 | | 4.3* | 3.1 | | 31 |
| MEAN | | | 3.2 | 1.3 | 0.7 | 2.8 | 3.2 | 3.4 | 3.9 | 3.2 | 3.7 | 3.2 | MEAN |
| MAX. | | | 5.8 | 5.7 | 0.9 | 6.5 | 6.3 | 6.1 | 6.2 | 4.8 | 4.0 | 3.6 | MAX. |
| MIN. | | | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 2.1 | 1.6 | 3.0 | 2.7 | MIN. |
| AC. FT. | | | 198 | 78 | 39 | 172 | 192 | 206 | 231 | 198 | 229 | 192 | AC. FT. |

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

| MEAN |
|-----------|
| DISCHARGE |
| 2.4 |

| MAXIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| | | | | |

| MINIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| | | | | |

| TOTAL |
|-----------|
| ACRE FEET |
| 1736 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|--|-----------|---------------------------------|-------------------|----------|------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 36 03 00 | 118 58 18 | NE 5 22S 28E | | | | 1948-DATE | | 1948 | | 0.00 | LOCAL |
| Station located 2.8 miles southeast of Porterville approximately 1,000 feet downstream from head. This is regulated diversion from Tule River. This station is operated under cooperative agreement between the Department of Water Resources and the Tule River Association. Records furnished by the Tule River Association and reviewed by the Department of Water Resources. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-------------------------------|
| 1967 | C03960 | POPLAR DITCH NEAR PORTERVILLE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|------|-------|------|------|------|-------|---------|
| 1 | | | 0.0 | 12 | 71 | 82 | 0.0 | 77 | 98 | 77 | 98 | 77 | 1 |
| 2 | | | 0.0 | 11 | 68 | 87 | 0.0 | 76 | 98 | 74 | 99 | 76 | 2 |
| 3 | | | 0.0 | 13 | 67 | 84 | 0.0 | 75 | 98 | 48 | 99 | 76 | 3 |
| 4 | | | 0.0 | 17 | 74 | 82 | 0.0 | 74 | 100 | 48 | 90 | 75 * | 4 |
| 5 | | | 0.0 | 19 | 80 | 84 | 0.0 | 68 | 103 | 50 | 87 | 74 | 5 |
| 6 | | | 41 | 22 | 81 | 86 | 0.0 | 67 | 84 | 47 | 87 | 73 | 6 |
| 7 | | | 62 | 24 | 82 | 85 | 0.0 | 67 | 81 | 44 | 87 | 72 | 7 |
| 8 | | | 58 | 24 | 82 | 84 | 0.0 | 72 * | 82 | 45 | 89 | 73 | 8 |
| 9 | | | 80 | 23 | 79 | 88 | 0.0 | 88 | 84 | 42 | 90 | 73 | 9 |
| 10 | | | 89 | 20 | 77 | 91 | 0.0 | 96 | 86 | 34 * | 90 | 72 | 10 |
| 11 | | | 96 | 15 | 77 | 88 | 0.0 | 96 | 87 | 30 | 90 | 72 * | 11 |
| 12 | N | N | 73 | 18 | 77 | 87 | 0.0 | 96 | 87 * | 30 | 87 | 69 | 12 |
| 13 | O | O | 8.5 | 21 | 77 | 78 | 5.0 | 96 | 88 | 36 | 86 | 68 | 13 |
| 14 | | | 100 | 24 | 69 | 31 | 9.8 | 96 | 90 | 36 | 86 * | 67 | 14 |
| 15 | | | 96 | 27 | 66 | 7.2 | 8.7 | 96 | 89 | 36 | 87 | 65 | 15 |
| 16 | F | F | 96 | 41 | 67 | 9.2 | 8.7 | 101 | 88 | 37 | 87 | 65 | 16 |
| 17 | L | L | 98 | 53 | 68 | 11 | 8.7 | 103 | 88 | 47 * | 86 | 65 | 17 |
| 18 | O | O | 97 | 57 | 68 | 9.8 | 8.8 | 103 | 89 | 47 | 85 | 65 | 18 |
| 19 | W | W | 97 | 83 | 67 | 9.0 | 17 | 108 | 90 * | 46 | 85 | 68 * | 19 |
| 20 | | | 72 | 79 | 73 | 19 | 36 | 109 * | 85 | 44 | 84 | 68 | 20 |
| 21 | | | 34 | 47 | 67 | 68 | 43 | 109 | 84 | 43 | 90 * | 65 | 21 |
| 22 | | | 31 | 47 | 72 | 90 | 41 | 108 | 84 | 43 | 90 | 59 | 22 |
| 23 | | | 28 | 55 | 74 | 93 | 58 | 103 | 84 | 42 | 86 | 64 | 23 |
| 24 | | | 23 | 59 | 74 | 92 | 72 | 103 | 82 * | 40 * | 80 | 67 | 24 |
| 25 | | | 20 | 75 | 70 | 88 | 82 * | 101 | 82 | 49 | 77 | 67 * | 25 |
| 26 | | | 23 | 86 | 70 | 84 | 81 | 98 | 78 | 54 | 81 | 66 | 26 |
| 27 | | | 25 | 91 | 70 | 30 | 79 | 95 | 76 | 90 | 78 | 66 | 27 |
| 28 | | | 24 | 96 | 75 | 0.0 | 76 | 93 | 75 | 105 | 76 * | 66 | 28 |
| 29 | | | 19 | 97 | | 0.0 | 76 | 92 * | 75 | 106 | 77 | 66 | 29 |
| 30 | | | 14 | 96 | | 0.0 | 77 | 95 | 76 | 106 | 75 | 66 | 30 |
| 31 | | | 12 | 87 | | 0.0 | | 97 | | 98 * | 77 | | 31 |
| MEAN | | | 45.7 | 46.4 | 72.9 | 56.4 | 26.3 | 92.2 | 86.4 | 54.0 | 86.0 | 68.8 | MEAN |
| MAX. | | | 100 | 97.0 | 82.0 | 93.0 | 82.0 | 109 | 103 | 106 | 99.0 | 77.0 | MAX. |
| MIN. | | | 0.0 | 11.0 | 66.0 | 0.0 | 0.0 | 67.0 | 75.0 | 30.0 | 75.0 | 59.0 | MIN. |
| AC. FT. | | | 2810 | 2854 | 4050 | 3466 | 1562 | 5669 | 5139 | 3320 | 5288 | 4096 | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 H — E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|---------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 52.8 | | | | | | | | | | | 38250 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | | DATUM OF GAGE | | |
|---|-----------|-------------------------------|-------------------|----------|------|------------------|---------------------|--|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | | PERIOD | | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | | FROM | TO | |
| 36 03 18 | 119 00 54 | SW36 21S 27E | | | | APR 42-DATE | | | 1942 | | 0.00 LOCAL |
| Station located 1.0 mile south of Porterville approximately 4,750 feet downstream from head. This is regulated diversion from Tule River. This station is operated under cooperative agreement between the Department of Water Resources and the Tule River Association. Records furnished by the Tule River Association and reviewed by the Department of Water Resources. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|----------------------------------|
| 1967 | C03925 | HUBBS-MINER DITCH AT PORTERVILLE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|---------|
| 1 | | | 0.0 | | 0.0 | 0.0 | 1.3 | 5.3 | 7.2 | 10.3 | 7.4 | 16.8 | 1 |
| 2 | | | 0.0 | | 0.0 | 0.0 | 0.0 | 7.4 | 8.1 | 11.1 | 5.2 | 16.6 | 2 |
| 3 | | | 0.0 | | 0.0 | 0.0 | 0.0 | 7.4 | 6.6 | 8.5 | 4.5 | 16.8 | 3 |
| 4 | | | 0.0 | | 0.0 | 0.0 | 0.0 | 7.4 | 5.5 | 6.1 | 4.5 | 8.1 | 4 |
| 5 | | | 0.0 | | 0.0 | 0.0 | 0.0 | 6.4 | 1.8 | 6.6 | 4.4 | 5.6 | 5 |
| 6 | | | 29.3 | | 0.0 | 0.0 | 0.0 | 8.7 | 4.7 | 11.7 | 4.3 | 5.5 | 6 |
| 7 | | | 17.9 | | 0.0 | 0.0 | 0.0 | 9.2 | 5.9 | 15.0 | 5.9 | 5.4 | 7 |
| 8 | | | 0.0 | | 0.0 | 0.0 | 0.0 | 10.9 | 5.9 | 9.3 | 7.1 | 5.4 | 8 |
| 9 | | | 0.0 | | 0.0 | 0.0 | 0.0 | 6.4 | 5.9 | 0.0 | 10.9 | 5.4 | 9 |
| 10 | | | 0.0 | | 0.0 | 0.0 | 0.0 | 5.7 | 6.4 | 4.9 | 9.6 | 5.3 | 10 |
| 11 | | | 0.0 | | 0.0 | 0.0 | 0.0 | 5.3 | 7.6 | 6.4 | 9.0 | 11.3 | 11 |
| 12 | N | N | 0.0 | N | 0.0 | 0.0 | 0.0 | 5.3 | 6.8 | 12.5 | 10.7 | 11.5 | 12 |
| 13 | O | O | 0.0 | O | 0.0 | 5.2 | 2.0 | 5.7 | 9.6 | 14.1 | 14.2 | 10.9 | 13 |
| 14 | | | 0.0 | | 0.0 | 5.9 | 5.7 | 5.9 | 7.4 | 5.3 | 5.5 | 9.6 | 14 |
| 15 | | | 0.0 | | 0.0 | 6.8 | 5.9 | 8.3 | 9.4 | 12.7 | 7.0 | 6.6 | 15 |
| 16 | F | F | 0.0 | F | 0.0 | 8.7 | 5.5 | 11.1 | 14.3 | 21.4 | 11.3 | 6.1 | 16 |
| 17 | L | L | 0.0 | L | 0.0 | 8.9 | 5.0 | 13.3 | 12.5 | 16.1 | 12.5 | 6.1 | 17 |
| 18 | O | O | 0.0 | O | 0.0 | 10.1 | 5.0 | 15.9 | 10.9 | 22.5 | 12.5 | 7.4 | 18 |
| 19 | W | W | 0.0 | W | 0.0 | 10.9 | 5.2 | 13.5 | 8.7 | 26.0 | 12.3 | 6.4 | 19 |
| 20 | | | 0.0 | | 1.9 | 7.7 | 8.0 | 10.3 | 12.5 | 25.5 | 12.1 | 6.3 | 20 |
| 21 | | | 0.0 | | 8.1 | 6.6 | 8.7 | 10.1 | 17.8 | 22.2 | 7.2 | 6.1 | 21 |
| 22 | | | 0.0 | | 10.1 | 7.2 | 10.1 | 18.5 | 16.8 | 14.1 | 6.3 | 6.1 | 22 |
| 23 | | | 0.0 | | 7.2 | 7.0 | 9.0 | 28.1 | 14.8 | 9.8 | 5.9 | 4.0 | 23 |
| 24 | | | 0.0 | | 1.8 | 5.7 | 5.9 | 20.3 | 9.6 | 9.0 | 6.3 | 2.7 | 24 |
| 25 | | | 0.0 | | 0.0 | 2.7 | 5.7 | 16.3 | 7.7 | 18.8 | 10.7 | 3.7 | 25 |
| 26 | | | 0.0 | | 0.0 | 0.0 | 5.9 | 11.7 | 7.4 | 22.5 | 11.3 | 2.0 | 26 |
| 27 | | | 0.0 | | 0.0 | 3.1 | 5.5 | 6.8 | 7.6 | 20.6 | 7.4 | 1.0 | 27 |
| 28 | | | 0.0 | | 0.0 | 7.9 | 5.0 | 6.6 | 7.2 | 19.3 | 7.4 | 3.0 | 28 |
| 29 | | | 0.0 | | 6.1 | 4.8 | 4.8 | 6.8 | 6.8 | 18.5 | 7.0 | 3.7 | 29 |
| 30 | | | 0.0 | | 5.3 | 4.8 | 4.8 | 5.9 | 6.4 | 18.5 | 6.4 | 3.7 | 30 |
| 31 | | | 0.0 | | 5.3 | | | 5.5 | | 13.3 | 13.5 | | 31 |
| MEAN | | | 1.5 | | 1.0 | 3.9 | 3.6 | 9.9 | 8.7 | 14.0 | 8.4 | 7.0 | MEAN |
| MAX. | | | 29.3 | | 10.1 | 10.9 | 10.1 | 28.1 | 17.8 | 26.0 | 14.2 | 16.8 | MAX. |
| MIN. | | | 0.0 | | 0.0 | 0.0 | 0.0 | 5.3 | 1.8 | 0.0 | 4.3 | 1.0 | MIN. |
| AC. FT. | | | 93.6 | | 57.7 | 240.2 | 216.2 | 607.0 | 515.3 | 858.1 | 516.3 | 414.7 | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 4.9 | | | | | | | | | | | 3519 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|---------------------------------|-------------------|----------|------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 36 03 27 | 119 02 02 | NW35 21S 27E | | | | DEC 42-DATE | | 1942 | | 0.00 | LOCAL |
| Station located 1.1 miles southwest of Porterville, approximately 3,400 feet downstream from head. This is regulated diversion from Tule River. This station is operated under cooperative agreement between the Department of Water Resources and the Tule River Association. Records furnished by the Tule River Association and published as received. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|------------------------------------|
| 1967 | C03940 | RHODES-FINE DITCH NEAR PORTERVILLE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------------------------------|------|------|------|------|------|------|------|-----|------|------|------|-------|---------------------------------|
| 1 | | | | | | | | | | | | | 1 |
| 2 | | | | | | | | | | | | | 2 |
| 3 | | | | | | | | | | | | | 3 |
| 4 | | | | | | | | | | | | | 4 |
| 5 | | | | | | | | | | | | | 5 |
| 6 | | | | | | | | | | | | | 6 |
| 7 | | | | | | | | | | | | | 7 |
| 8 | | | | | | | | | | | | | 8 |
| 9 | | | | | | | | | | | | | 9 |
| 10 | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | 11 |
| 12 | | | | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | 13 |
| 14 | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | 17 |
| 18 | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | 19 |
| 20 | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | 21 |
| 22 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 23 |
| 24 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | 25 |
| 26 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 27 |
| 28 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 29 |
| 30 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 31 |
| MEAN MAX. MIN. AC. FT. | | | | | | | | | | | | | MEAN MAX. MIN. AC. FT. |

NO FLOW

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 H — E AND *

| MEAN DISCHARGE |
|-------------------|
| 0.0 |

| MAXIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| | | | | |

| MINIMUM | | | | |
|-----------|----------|-----|-----|------|
| DISCHARGE | GAGE HT. | MO. | DAY | TIME |
| | | | | |

| TOTAL ACRE FEET |
|--------------------|
| 0 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|-------------------------------|-------------------|----------|------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CF5 | GAGE HT. | DATE | | | FROM | TO | | |
| 36 03 26 | 119 04 13 | SE32 21S 27E | | | | DEC 42-DATE | | 1942 | | 0.00 | LOCAL |
| Station located 3.1 miles southwest of Porterville, approximately 3,100 feet downstream from head. This is regulated diversion from Tule River. This station is operated under cooperative agreement between Department of Water Resources and the Tule River Association. Records furnished by the Tule River Association and reviewed by the Department of Water Resources. | | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|--------------------------------------|
| 1967 | C03948 | WOODS-CENTRAL DITCH NEAR PORTERVILLE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|---------|
| 1 | | | 0.0 | 38 | 38 | 111 | 0.0 | 97 | 97 | 0.0 | 186 | 156 | 1 |
| 2 | | | 0.0 | 37 | 30 | 109 | 0.0 | 100 | 97 | 0.0 | 186 | 152 | 2 |
| 3 | | | 0.0 | 42 | 29 | 108 | 0.0 | 101 | 97 | 0.0 | 183 | 150 | 3 |
| 4 | | | 0.0 | 43 | 32 | 113 | 0.0 | 100 | 95 | 0.0 | 184 | 150 | 4 |
| 5 | | | 0.0 | 43 | 33 | 115 | 0.0 | 78 | 89 | 0.0 | 178 | 152 | 5 |
| 6 | | | 20 | 39 | 35 * | 118 | 0.0 | 81 | 87 | 0.0 | 179 | 151 | 6 |
| 7 | | | 72 | 39 | 41 | 118 | 0.0 | 74 | 81 | 0.0 | 178 | 141 | 7 |
| 8 | | | 50 | 40 | 36 | 120 | 0.0 | 82 | 85 | 0.0 | 185 | 136 | 8 |
| 9 | | | 45 | 37 | 38 | 130 | 0.0 | 73 | 85 | 0.0 | 188 | 40 | 9 |
| 10 | | | 60 | 36 | 41 | 129 | 0.0 | 87 * | 84 | 0.0 | 191 | 0.0 | 10 |
| 11 | | | 62 | 42 | 41 | 130 | 0.0 | 90 | 88 | 0.0 | 188 | 0.0 | 11 |
| 12 | N | N | 53 | 42 | 46 | 123 | 0.0 | 91 | 103 * | 0.0 | 184 | 0.0 | 12 |
| 13 | O | O | 15 | 41 | 48 | 49 | 0.0 | 91 | 105 | 0.0 | 182 | 0.0 | 13 |
| 14 | | | 57 | 41 | 48 | 0.0 | 0.0 | 96 | 110 | 0.0 | 182 | 0.0 | 14 |
| 15 | | | 60 | 40 | 50 | 0.0 | 0.0 | 102 * | 114 | 0.0 | 182 | 0.0 | 15 |
| 16 | F | F | 62 | 44 | 54 | 0.0 | 0.0 | 108 | 122 | 0.0 | 186 | 0.0 | 16 |
| 17 | L | L | 58 | 47 | 57 | 0.0 | 2.9 | 115 * | 124 | 0.0 | 181 | 0.0 | 17 |
| 18 | O | O | 66 | 50 | 57 | 0.0 | 4.6 | 136 | 125 | 0.0 | 175 | 0.0 | 18 |
| 19 | W | W | 66 | 52 | 56 | 0.0 | 20 | 146 | 129 * | 0.0 | 174 | 0.0 | 19 |
| 20 | | | 53 | 54 | 57 | 0.0 | 40 | 146 | 105 | 0.0 | 174 | 0.0 | 20 |
| 21 | | | 37 | 66 | 61 | 48 | 42 | 144 | 106 | 0.0 | 171 * | 0.0 | 21 |
| 22 | | | 43 | 65 | 64 | 82 | 32 | 147 * | 104 | 0.0 | 166 | 0.0 | 22 |
| 23 | | | 40 | 64 | 69 | 90 | 47 | 138 | 55 | 0.0 | 168 | 0.0 | 23 |
| 24 | | | 40 | 46 | 70 | 84 * | 77 | 140 | 25 | 93 | 169 | 0.0 | 24 |
| 25 | | | 40 | 47 | 71 | 35 | 94 * | 140 | 25 | 179 | 167 | 0.0 | 25 |
| 26 | | | 38 | 48 | 75 | 0.0 | 100 | 139 | 28 * | 187 | 166 | 0.0 | 26 |
| 27 | | | 39 | 55 | 84 | 0.0 | 106 | 124 | 7.9 | 187 | 165 | 0.0 | 27 |
| 28 | | | 41 | 60 | 97 | 0.0 | 106 | 107 | 0.0 | 188 | 161 * | 0.0 | 28 |
| 29 | | | 40 | 61 | | 0.0 | 98 | 103 * | 0.0 | 188 | 155 | 0.0 | 29 |
| 30 | | | 38 | 57 * | | 0.0 | 99 | 102 | 0.0 | 189 | 155 | 0.0 | 30 |
| 31 | | | 38 | 50 | | 0.0 | | 98 | | 187 * | 158 | | 31 |
| MEAN | | | 39.8 | 47.3 | 52.1 | 58.5 | 29.0 | 109 | 79.1 | 45.1 | 176 | 40.9 | MEAN |
| MAX. | | | 72.0 | 66.0 | 97.0 | 130 | 106 | 147 | 129 | 189 | 191 | 156 | MAX. |
| MIN. | | | 0.0 | 36.0 | 29.0 | 0.0 | 0.0 | 73.0 | 0.0 | 0.0 | 155 | 0.0 | MIN. |
| AC. FT. | | | 2446 | 2908 | 2892 | 3594 | 1723 | 6696 | 4707 | 2773 | 10800 | 2436 | AC. FT. |

E - ESTIMATED

NR - NO RECORD

* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

- E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 56.6 | | | | | | | | | | | 40980 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | |
|--|-----------|---------------------------------|-------------------|----------|------|------------------|---------------------|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | REF. DATUM |
| | | | CFS | GAGE NT. | DATE | | | FROM | TO | |
| 36 04 18 | 119 05 48 | SE30 21S 27E | | | | DEC 42-DATE | | 1942 | | 0.00 LOCAL |
| Station located 4.5 miles west of Porterville, approximately 100 feet downstream from head. This is regulated diversion from Tule River. This station is operated under cooperative agreement between the Department of Water Resources and the Tule River Association. Records furnished by the Tule River Association and reviewed by the Department of Water Resources. This station was in a backwater condition during part of the year due to CVP water being delivered to Woods-Central Ditch. Due to a lack of data necessary to determine the extent of the backwater condition, the daily flows were accepted as received from the Tule River Association. | | | | | | | | | | |

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-----------------------------|
| 1967 | C05151 | KERN RIVER NEAR BAKERSFIELD |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------|-------|-------|-------|--------|-------|-------|-------|--------|--------|--------|--------|--------|---------|
| 1 | 330 | 251 | 440 | 2726 | 528 | 1125 | 910 | 2281 | 3350 | 2881 | 3090 | 3042 | 1 |
| 2 | 306 | 243 | 408 | 2755 | 500 | 1128 | 897 | 2350 | 3277 | 2906 | 3152 | 2927 | 2 |
| 3 | 320 | 211 | 427 | 2889 | 475 | 1091 | 886 | 2435 | 3199 | 2940 | 3255 | 2845 | 3 |
| 4 | 324 | 224 | 476 | 3294 | 485 | 1041 | 845 | 2473 | 3233 | 2151 | 3301 | 2839 | 4 |
| 5 | 285 | 227 | 951 | 3287 | 500 | 1026 | 844 | 2501 | 3259 | 2353 | 3459 | 2874 | 5 |
| 6 | 281 | 227 | 4786 | 3277 | 475 | 1065 | 853 | 2608 | 3260 | 2916 | 3456 | 2902 | 6 |
| 7 | 277 | 224 | 1153 | 3301 | 462 | 1049 | 851 | 2742 | 3277 | 3039 | 3414 | 2891 | 7 |
| 8 | 244 | 249 | 668 | 3331 | 462 | 1056 | 850 | 2875 | 3301 | 3046 | 3435 | 2828 | 8 |
| 9 | 237 | 247 | 503 | 3156 | 462 | 1054 | 845 | 3214 | 3158 | 2986 | 3408 | 2789 | 9 |
| 10 | 242 | 216 | 487 | 2705 | 462 | 1023 | 875 | 3073 | 2919 | 2939 | 3826 | 2770 | 10 |
| 11 | 235 | 217 | 494 | 2640 | 462 | 1007 | 899 | 3243 | 2948 | 2998 | 4011 | 2648 | 11 |
| 12 | 263 | 222 | 493 | 2584 | 462 | 1014 | 881 | 3191 | 2875 | 3013 | 3914 | 2463 | 12 |
| 13 | 284 | 222 | 501 | 2534 | 462 | 1012 | 911 | 3159 | 2665 | 3028 | 4171 | 2403 | 13 |
| 14 | 273 | 212 | 566 | 2415 | 462 | 977 | 1038 | 3134 | 2537 | 3030 | 4280 | 2318 | 14 |
| 15 | 232 | 209 | 585 | 2366 | 462 | 1027 | 1161 | 3096 | 2507 | 2977 | 4236 | 2232 | 15 |
| 16 | 236 | 210 | 585 | 2366 | 464 | 1009 | 1249 | 3170 | 2751 | 2933 | 4302 | 2225 | 16 |
| 17 | 225 | 223 | 600 | 2380 | 649 | 913 | 1342 | 3230 | 3872 | 2916 | 4489 | 2223 | 17 |
| 18 | 220 | 226 | 1279 | 2370 | 912 | 850 | 1589 | 3157 | 3757 | 3038 | 4542 | 2234 | 18 |
| 19 | 208 | 232 | 1286 | 2223 | 950 | 828 | 1780 | 3143 | 3760 | 3044 | 4585 | 2222 | 19 |
| 20 | 185 | 243 | 1283 | 2149 | 1003 | 818 | 1821 | 3445 | 3851 | 2563 | 4585 | 2223 | 20 |
| 21 | 168 | 469 | 1337 | 2151 | 1047 | 830 | 1927 | 3409 | 4132 | 3362 | 4577 | 2223 | 21 |
| 22 | 172 | 392 | 1561 | 1965 | 1096 | 833 | 1953 | 3461 | 4542 | 3336 | 4629 | 2192 | 22 |
| 23 | 177 | 309 | 1825 | 1729 | 1187 | 819 | 1961 | 3510 | 4458 | 3324 | 4685 | 2149 | 23 |
| 24 | 178 | 279 | 2076 | 1785 | 1260 | 784 | 1962 | 3530 | 4362 | 3206 | 4694 | 2124 | 24 |
| 25 | 171 | 245 | 2075 | 1745 | 1226 | 793 | 1988 | 3436 | 4444 | 3098 | 4348 | 2128 | 25 |
| 26 | 173 | 241 | 2152 | 1793 | 1208 | 775 | 2054 | 3313 | 4530 | 3104 | 3848 | 2128 | 26 |
| 27 | 184 | 223 | 2383 | 1788 | 1178 | 827 | 2096 | 3325 | 2879 | 3105 | 3898 | 2112 | 27 |
| 28 | 237 | 233 | 2538 | 1810 | 1126 | 834 | 2094 | 3340 | 2610 | 3086 | 3843 | 2206 | 28 |
| 29 | 255 | 345 | 2491 | 1463 | | 862 | 2131 | 3352 | 2677 | 3086 | 3366 | 2411 | 29 |
| 30 | 254 | 425 | 2447 | 1372 | | 849 | 2218 | 3354 | 2818 | 3076 | 3096 | 2294 | 30 |
| 31 | 255 | | 2711 | 1350 | | 884 | | 3367 | | 3068 | 3183 | | 31 |
| MEAN | 240 | 257 | 1341 | 2377 | 729 | 942 | 1390 | 3094 | 3374 | 2985 | 3906 | 2462 | MEAN |
| MAX. | 330 | 469 | 4786 | 3331 | 1260 | 1128 | 2218 | 3530 | 4542 | 3362 | 4694 | 3042 | MAX. |
| MIN. | 168 | 209 | 408 | 1350 | 462 | 775 | 844 | 2281 | 2507 | 2151 | 3090 | 2112 | MIN. |
| AC. FT. | 14739 | 15265 | 82447 | 146180 | 40516 | 57923 | 82732 | 190249 | 200743 | 183566 | 240154 | 146509 | AC. FT. |

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # — E AND *

| MEAN | MAXIMUM | | | | | MINIMUM | | | | | TOTAL |
|-----------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|-----------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | ACRE FEET |
| 1935 | 9289 | | 12 | | | 161 | | 11 | | | 1401000 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|-------------------------------|-------------------|----------|----------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.O.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 35 25 9 | 118 56 8 | SW 2 29S 28E | 36000 | 14.2 | 11-19-50 | 93-DATE | | | | | |

Also known as "Kern River at First Point". Station located 5.8 miles northeast of Bakersfield. Tabulated discharge is the regulated flow and is computed from noon to noon beginning at noon of day shown. Records furnished by Kern County Land Company. Drainage area is 2,407 square miles.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
 (IN CUBIC FEET PER SECOND)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-----------------------------|
| 1967 | C07120 | BUENA VISTA CREEK NEAR TAFT |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---------------------------------|------|------|------|------|------|------|------|-----|------|------|------|-------|---------------------------------|
| 1 | | | | | | | | | | | | | 1 |
| 2 | | | | | | | | | | | | | 2 |
| 3 | | | | | | | | | | | | | 3 |
| 4 | | | | | | | | | | | | | 4 |
| 5 | | | | | | | | | | | | | 5 |
| 6 | | | | | | | | | | | | | 6 |
| 7 | | | | | | | | | | | | | 7 |
| 8 | | | | | | | | | | | | | 8 |
| 9 | | | | | | | | | | | | | 9 |
| 10 | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | 11 |
| 12 | | | | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | 13 |
| 14 | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | 17 |
| 18 | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | 19 |
| 20 | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | 21 |
| 22 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 23 |
| 24 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | 25 |
| 26 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 27 |
| 28 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 29 |
| 30 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 31 |
| MEAN MAX. MIN. AC. FT. | | | | | | | | | | | | | MEAN MAX. MIN. AC. FT. |

INSUFFICIENT DATA TO PUBLISH DAILY FLOWS

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 H — E AND *

| MEAN DISCHARGE | MAXIMUM | | | | | MINIMUM | | | | | TOTAL ACRE FEET |
|-------------------|-----------|----------|-----|-----|------|-----------|----------|-----|-----|------|--------------------|
| DISCHARGE | DISCHARGE | GAGE HT. | MO. | DAY | TIME | DISCHARGE | GAGE HT. | MO. | DAY | TIME | |
| | 1.96 | | 4 | 7 | 1310 | 0.0 | | 10 | 1 | 0000 | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | |
|--|-----------|-------------------------------|-------------------|----------|---------|------------------|---------------------|---------------|------|--------------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | |
| 35 12 21 | 119 24 35 | NW28 31S 24E | | 2.9 | 8-14-65 | | | NOV 64-DATE | 1964 | 0.00 |
| Station located at State Highway 119 bridge immediately southwest of Valley Acres, 5.7 miles northeast of Taft. Tributary to Buena Vista Lake. Recorder installed 11-10-64. Altitude of gage is approximately 425 feet (from topographic map). | | | | | | | | | | |
| LOCAL | | | | | | | | | | |

TABLE B-5
STREAMFLOW MEASUREMENTS
AT MISCELLANEOUS LOCATIONS

TABLE B-5

STREAMFLOW MEASUREMENTS AT MISCELLANEOUS LOCATIONS

Measurements of streamflow at points other than gaging stations or at points where flow has not been computed are listed in the following table.

| Stream | Tributary to | Location | Date | Gage Height (feet) | Discharge (cfs) |
|--|---------------------------------------|---------------------------------------|----------|--------------------|-----------------|
| Alamitos Drain near Firebaugh (a) | Central California I. D. Main Canal | SW $\frac{1}{4}$, Sec 25, T12S, R13E | 8-22-67 | 3.67 | 12.2 |
| | | | 9- 7-67 | 1.99 | 5.87 |
| | | | 9-19-67 | 0.57 | 0.80 |
| | | | 10- 3-67 | 0.52 | 1.66 |
| Ash Slough at Eastside Bypass (b) (c) | San Joaquin River via Eastside Bypass | SE $\frac{1}{4}$, Sec 22, T10S, R14E | 12- 8-66 | 0.90 | 367 |
| | | | 12-12-66 | 0.25 | 30.3 |
| | | | 1-25-67 | 1.34 | 685 |
| | | | 1-26-67 | 1.12 | 495 |
| | | | 1-30-67 | 1.65 | 906 |
| | | | 3-14-67 | 1.11 | 535 |
| | | | 3-17-67 | 2.26 | 1630 |
| | | | 6- 7-67 | 0.16 | 21.9 |
| Bear Creek at Eastside Bypass (a) | San Joaquin River via Eastside Bypass | NW $\frac{1}{4}$, Sec 12, T 8S, R11E | 12- 8-66 | 87.92 | 427 |
| | | | 12-12-66 | 86.56 | 34.8 |
| | | | 1-30-67 | 87.50 | 322 |
| Berenda Slough at Avenue 18 $\frac{1}{2}$ (b) | San Joaquin River via Eastside Bypass | SW $\frac{1}{4}$, Sec 34, T10S, R15E | 3-14-67 | 3.32 | 568 |
| Berenda Slough (Road 9) at Eastside Bypass (a) | San Joaquin River via Eastside Bypass | SW $\frac{1}{4}$, Sec 6, T11S, R15E | 12- 6-66 | 151.7 | 1090 |
| | | | 12- 7-66 | 150.1 | 903 |
| | | | 1-31-67 | 150.95 | 890 |
| | | | 3-14-67 | 150.02 | 343 |
| | | | 3-16-67 | 149.56 | 96.5 |
| | | | 3-17-67 | 151.28 | 1080 |
| | | | 4-13-67 | 149.67 | 172 |
| | | | 4-19-67 | 151.39 | 1180 |
| Chowchilla Bypass (Avenue 14) above Fresno River (a) | San Joaquin River | NE $\frac{1}{4}$, Sec 29, T11S, R15E | 2- 3-67 | 3.40 | 1050 |
| | | | 2- 3-67 | 3.56 | 1120 |
| | | | 2- 3-67 | 3.07 | 896 |
| | | | 2- 3-67 | 2.85 | 761 |
| | | | 2- 4-67 | 4.37 | 1740 |
| | | | 2- 5-67 | 4.92 | 2120 |
| | | | 3-16-67 | 0.48 | 0.05E |
| | | | 4-10-67 | 1.37 | 118 |
| | | | 4-13-67 | 0.90 | 30.2 |
| | | | 4-17-67 | 3.96 | 1340 |
| Chowchilla Bypass below San Joaquin River (Floatwell #4) (b) (c) | San Joaquin River | NE $\frac{1}{4}$, Sec 25, T13S, R15E | 2- 3-67 | 165.99 | 1540 |
| | | | 2- 4-67 | 166.85 | 2040 |
| | | | 2- 5-67 | 166.80 | 1880 |
| | | | 2- 7-67 | 166.50 | 1620 |
| | | | 2- 8-67 | 165.87 | 1240 |
| | | | 4-17-67 | 166.47 | 1860 |
| | | | 4-18-67 | 168.19 | 2760 |
| | | | 4-19-67 | 168.25 | 2860 |
| | | | 4-20-67 | 169.42 | 3830 |
| | | | 4-21-67 | 169.91 | 4940 |
| | | | 4-21-67 | 170.26 | 5670 |
| | | | 5- 2-67 | 170.39 | 5360 |
| | | | 5- 2-67 | 170.39 | 5300 |
| | | | 5- 4-67 | 170.67 | 5490 |
| | | | 5- 4-67 | 170.66 | 5660 |
| | | | 5- 9-67 | 170.79 | 5870 |
| | | | 5-13-67 | 171.04 | 6710 |
| | | | 5-15-67 | 171.12 | 7120 |
| | | | 5-16-67 | 171.24 | 7840 |
| | | | 6- 9-67 | 171.30 | 6210 |
| | | | 6-20-67 | 168.77 | 2810 |
| | | | 6-28-67 | 164.54 | 292 |
| Deer Creek at Terra Bella Irrigation District (b) | Tulare Lake | SE $\frac{1}{4}$, Sec 10, T23S, R29E | 12- 5-66 | 634.62 | 712 |
| Eastside Bypass at Washington Road (a) | San Joaquin River | NW $\frac{1}{4}$, Sec 33, T 9S, R13E | 12- 8-66 | 108.53 | 1510 |
| | | | 12-12-66 | 106.40 | 59.8 |
| | | | 2- 1-67 | 109.28 | 2170 |
| | | | 2- 6-67 | 109.60 | 2680 |
| | | | 2- 7-67 | 109.34 | 2670 |
| | | | 2- 8-67 | 108.76 | 1930 |
| | | | 2-10-67 | 107.20 | 329 |
| | | | 3-14-67 | 108.72 | 1540 |

TABLE B-5 (Cont.)

STREAMFLOW MEASUREMENTS AT MISCELLANEOUS LOCATIONS

Measurements of streamflow at points other than gaging stations or at points where flow has not been computed are listed in the following table.

| Stream | Tributary to | Location | Date | Gage Height (feet) | Discharge (cfs) |
|--|---------------------------------------|---------------------------------------|----------|--------------------|-----------------|
| Eastside Bypass (Road 9) below Fresno River (a) | San Joaquin River | NW $\frac{1}{4}$, Sec 18, T11S, R15E | 12- 7-66 | 148.70 | 1300 |
| | | | 12- 8-66 | 147.97 | 475 |
| | | | 12-12-66 | 147.16 | 8.97 |
| | | | 1-26-67 | 147.80 | 324 |
| | | | 1-30-67 | 147.42 | 108 |
| | | | 1-31-67 | 148.12 | 599 |
| | | | 2- 3-67 | 148.44 | 1170 |
| | | | 2- 3-67 | 148.62 | 1330 |
| | | | 2- 4-67 | 148.96 | 1890 |
| | | | 2- 5-67 | 149.13 | 2170 |
| | | | 3-14-67 | 148.04 | 591 |
| | | | 3-15-67 | 147.93 | 501 |
| | | | 4-13-67 | 148.10 | 750 |
| | | | 4-20-67 | 150.20 | 4910 |
| | | | 4-24-67 | 150.46 | 5780 |
| | | | 5- 4-67 | 150.65 | 6250 |
| | | | 5-15-67 | 151.10 | 7690 |
| | | | 6- 7-67 | 150.47 | 5530 |
| Elk Bayou near Tulare (b) | Tule River | SW $\frac{1}{4}$, Sec 2, T21S, R24E | 12- 9-66 | 2.90 | 551 |
| Mariposa Bypass near Crane Ranch (a) | San Joaquin River via Eastside Bypass | NW $\frac{1}{4}$, Sec 31, T 8S, R11E | 12- 8-66 | 92.40 | 2240 |
| | | | 12-12-66 | 89.09 | 357 |
| | | | 1-31-67 | | 1270 |
| | | | 2- 1-67 | 92.26 | 2190 |
| | | | 2- 6-67 | 93.15 | 3110 |
| | | | 2- 7-67 | 93.35 | 3230 |
| | | | 2- 8-67 | 92.88 | 2840 |
| | | | 2-10-67 | 90.30 | 1010 |
| | | | 3-15-67 | | 1550 |
| | | | 4- 4-67 | 89.39 | 562 |
| | | | 4-14-67 | 91.52 | 1560 |
| | | | 4-20-67 | 95.72 | 6770 |
| | | | 4-20-67 | 95.76 | 6800 |
| | | | 4-21-67 | 95.94 | 7230 |
| | | | 5- 1-67 | 95.42 | 6360 |
| | | | 5-25-67 | 94.29 | 4490 |
| | | | 6- 8-67 | 94.82 | 5470 |
| | | | 6-29-67 | 89.81 | 1050 |
| Mustang Creek near Ballico (b) | High Line Canal | NW $\frac{1}{4}$, Sec 16, T 5S, R12E | 1-24-67 | 3.29 | 13.4 |
| | | | 1-25-67 | 4.50 | 18.6 |
| | | | 4-18-67 | 1.34 | 1.69 |
| Mustang Creek at East Avenue (a) | High Line Canal | NW $\frac{1}{4}$, Sec 20, T 5S, R12E | 1-25-67 | | 11.8 |
| Owens Creek at Eastside Bypass (a) | San Joaquin River via Eastside Bypass | SW $\frac{1}{4}$, Sec 19, T 8S, R12E | 12- 7-66 | 86.42 | 219 |
| | | | 12-12-66 | 84.03 | 4.91 |
| San Joaquin River below Chowchilla Bypass (floatwell #3) (b) (c) | | NE $\frac{1}{4}$, Sec 25, T13S, R15E | 2- 3-67 | 169.50 | 2380 |
| | | | 2- 3-67 | 169.15 | 1960 |
| | | | 2- 4-67 | 169.00 | 1870 |
| | | | 2- 5-67 | 169.40 | 2230 |
| | | | 2- 6-67 | 168.45 | 1380 |
| | | | 2- 7-67 | 167.85 | 1060 |
| | | | 2- 8-67 | 167.38 | 766 |
| | | | 4-22-67 | 169.96 | 2760 |
| | | | 5-13-67 | 167.79 | 1100 |
| | | | 6- 9-67 | 168.42 | 1570 |
| | | | 6-20-67 | 169.51 | 2460 |
| | | | 6-28-67 | 169.78 | 2540 |

a Staff gage only.

b Recording Gage.

c Daily mean discharges are available.

E Estimated

TABLE B-6

DIVERSIONS

Monthly and annual acre-feet of water diverted are shown in this Table for the San Joaquin, Stanislaus, Tuolumne, Merced, and Tule Rivers, and Dry Creek, a tributary to the Tuolumne River, for the 1967 water year. Diversion points which divert less than 200 acre-feet annually based on a three-year average are discontinued from the program. This allows for collection and publication of approximately 95 percent of the water diverted for use by measuring and collection of record on about 50 percent of the total diversion points.

Monthly diversion values have been rounded off as follows:

1. Individual diversions - acre-feet

| | | | |
|---------|-----------|---------|----------|
| 0.0 | - 999 | nearest | Unit |
| 1,000 | - 9,999 | " | Ten |
| 10,000 | - 99,999 | " | Hundred |
| 100,000 | - 999,999 | " | Thousand |

2. Total monthly diversion - cubic feet per second

All values to nearest unit.

3. Monthly use in percent

All values to nearest tenth.

Data received from outside agencies are published as received and are not rounded to the criteria used by the Department of Water Resources.

TABLE 8-6

DIVERSIONS - SAN JOAQUIN RIVER
(Vernalis to Fremont Ford Bridge)
October 1966 through September 1967

| WATER USER | MILE AND BANK ABOVE MOUTH | NUMBER AND SIZE OF PUMP IN INCHES | MONTHLY DIVERSION IN ACRE - FEET | | | | | | | | | | | | TOTAL DIVERSION OCT.-SEPT. ACRE-FeET |
|--|------------------------------------|--|----------------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|---|
| | | | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | |
| --DURHAM FERRY BRIDGE-- | 76.7 | | | | | | | | | | | | | | |
| --GAGING STATION - SAN JOAQUIN RIVER NEAR VERNALIS-- | 76.7 | | | | | | | | | | | | | | |
| Moresco Brothers | 78.9 R | 1-14 1-24 | | | | | | | 275 | 428 | 236 | 224 | 658 | 147 | 1968 |
| Cruze, Amoral and Gillmeister a | 79.4 R | 1-20 | | | | | | | | | | 25 | | | 25 |
| --STANISLAUS RIVER-- | 79.7 R | | | | | | | | | | | | | | |
| Faith Ranch | 79.8 R | 1-16 | 138 | | | | | | | | | 87 | 90 | 125 | 440 |
| W. C. Blewett Estate | 80.7 L | 1-12 | | | | | | | | 329 | | 55 | 339 | 104 | 827 |
| W. C. Blewett Estate | 81.8 L | 2-12 1-14 | | | | | | | 859 | 444 | 448 | 690 | 1060 | 644 | 4145 |
| --GAGING STATION - SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE-- | 81.85 | | | | | | | | | | | | | | |
| Blewett Mutual Water Company | 81.95L | 1-10 2-12 1-14 | 194 | | | | | 167 | 62 | 1150 | 1110 | 1030 | 1590 | 554 | 5857 |
| El Solvo Water District | 82.0 L | 1-10 1-16 3-18 | 130 | | | | | 96 | 786 | 2700 | 1930 | 3020 | 2930 | 1200 | 12790 |
| --HETCH HETCHY AQUEDUCT CROSSING-- | 82.65 | | | | | | | | | | | | | | |
| El Solvo Ranch | 82.9 L | 1-16 | 22 | | | | | | | | | | 63 | 179 | 264 |
| El Solvo Ranch | 83.5 L | 1-12 | 109 | | | | | | | | | | | 46 | 155 |
| El Solvo Ranch | 83.7 L | 1-12 | | | | | | | 69 | | | | 168 | 182 | 419 |
| Faith Ranch | 84.4 R | 1-16 1-20 | 952 | | | | | 144 | 218 | 209 | 308 | 477 | 665 | 927 | 3900 |
| --GAGING STATION - SAN JOAQUIN RIVER AT CALDWELL-- | 90.95 | | | | | | | | | | | | | | |
| --TUOLUMNE RIVER-- | 91.0 R | | | | | | | | | | | | | | |
| --WEST STANISLAUS IRRIGATION DISTRICT INTAKE CANAL-- | 91.8 L | | | | | | | | | | | | | | |
| West Stanislaus Irrigation District | 91.8 L | 1-12 1-24 6-26 | 1410 | 164 | | 418 | 69 | 1800 | 998 | 11200 | 11900 | 12300 | 11000 | 5170 | 56430 |
| Fred Lara #1 | * (0.6S) | 1-14 | | | | | | 1 | 34 | 95 | 22 | 120 | 159 | 137 | 568 |
| E. E. Hagemann Ranch #1 | * (0.7N) | 3-16 | 163 | | | | | | | 272 | 206 | 270 | 133 | 522 | 1566 |
| E. E. Hagemann Ranch #2 | * (1.1N) | 1-14 1-16 | 129 | | | | | | 114 | 486 | 430 | 560 | 438 | 135 | 2292 |
| Fred Lara #2 | * (2.2S) | 1-16 | | | | | | | | 15 | | 18 | 9 | 8 | 50 |
| E. E. Hagemann Ranch #3 | * (2.3N) | 2-16 | 2 | | | | | | | 192 | 208 | 92 | 305 | 232 | 1031 |
| John and Robert Bogetti b | 93.1 R | 1-12 1-14 | | | | | 107 | 224 | | | | 173 | 596 | 378 c | 1478 |
| T. C. Daily | 94.1 L | 1- 3 1- 6 | 1 | 12 | | | | | | | | | | | 13 |
| Rancho Dos Rios | 94.7 R | 1-12 | 96 | 10 | 4 | 4 | 40 | 18 | | 34 | 46 | 136 | 285 | 246 | 919 |
| E. L. Brazil | 95.5 R | 1-16 | 55 | | | 2 | | 79 | | 245 | 168 | 178 | 284 | 211 | 1222 |
| Island Dairy | 96.0 L | 1-18 | 106 | | | | | 125 | 28 | | 46 | 135 | 297 | 662 c | 1399 |
| --LAIRD SLOUGH BRIDGE-- | 96.05 | | | | | | | | | | | | | | |
| Rancho El Pescadero | 98.9 L | 1-18 | 46 | | | | | | | 35 | 237 | 240 | 275 | 321 | 1154 |
| Patterson Water District | 104.4 L | 1-14 2-18 3-20 1-36 | | | | | | | | 6220 | 6590 | 6750 | 9540 | 5180 | 34280 |
| Chase Brothers | 104.5 R | 1-18 | 224 | 11 | | | | 77 | | 183 | 335 | 440 | 480 | 552 | 2302 |
| --PATTERSON BRIDGE-- | 104.6 | | | | | | | | | | | | | | |
| Chase Brothers | 106.5 R | 1-12 | | | | | | 91 | 20 | 90 | 301 | | 265 | 249 | 1016 |
| Tony Spinelli | 109.1 R | 1-12 | 27 | | | | | | | 23 | 25 | 46 | 78 | 107 | 306 |
| Twin Oaks Irrigation Company | 109.8 L | 1-12 2-16 1-18 | 308 | | | | | 236 | | 849 | 991 | 1230 | 1360 | 892 c | 5866 |
| T. J. Henderson | 110.8 R | 1- 8 | 29 | | | | | | | | | | 4 | 9 | 42 |
| L. A. Thompson | 112.55R | 1-18 | 65 | 55 | | | | | | 152 | 156 | 163 | 210 | 34 | 835 |
| D. R. Lemos | 113.4 R | 1-12 | 29 | 7 | 16 | 1 | 13 | | | | 65 | 219 | 194 | 51 | 595 |
| --GAGING STATION - SAN JOAQUIN RIVER AT CROWS LANDING BRIDGE-- | 113.4 | | | | | | | | | | | | | | |
| D. R. Lemos | 114.63R | 1- 8 | 8 | | | | | | | | 25 | 46 | 48 | 36 | 163 |
| Arnold and Ben Souza | 114.75R | 2-10 | 133 | 5 | | | | 45 | | 100 | 122 | 317 | 284 | 222 | 1228 |

TABLE B-6 (Cont.)

DIVERSIONS - SAN JOAQUIN RIVER
(Vernalis to Fremont Ford Bridge)
October 1966 through September 1967

| WATER USER | MILE AND BANK ABOVE MOUTH | NUMBER AND SIZE OF PUMP IN INCHES | MONTHLY DIVERSION IN ACRE - FEET | | | | | | | | | | | | TOTAL DIVERSION OCT-SEPT. ACRE-Feet |
|--|------------------------------------|--|----------------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|--|
| | | | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | |
| --ORESTIMBA CREEK-- | 115.2 L | | | | | | | | | | | | | | |
| Roy F. Crow | 115.8 L | 1-10 | 124 | | | | | | | 106 | 198 | 244 | 138 | 249 | 1059 |
| L. B. Crow | 116.05L | 1-14 | 103 | 28 | | | | | | 150 | 196 | 196 | 202 | 159 | 1034 |
| John W. Greer | 116.15R | 1- 8 | 56 | | | | | | | | | | 64 | 51 | 171 |
| John W. Greer | 116.5 R | 1-12 | 138 | | | | | | | 80 | 47 | 227 | 225 | 196 | 913 |
| Manuel A. Serpa | 121.3 R | 1-18 | | | | | | | | 38 | 275 | 402 | 387 | 246 | 1348 |
| --MERCED RIVER SLOUGH-- | 122.2 R | | | | | | | | | | | | | | |
| Stevinson Corporation d | 122.6 L | 1-16 | | | | | | | | | | | 70 | 26 | 96 |
| --GAGING STATION - SAN JOAQUIN RIVER NEAR NEWMAN-- | 123.7 | | | | | | | | | | | | | | |
| --MERCED RIVER-- | 123.75R | | | | | | | | | | | | | | |
| Stevinson Corporation | 129.1 R | 1-16 | 148 | | | | | | | 385 | 316 | 543 | 386 | 232 | 2010 |
| --GAGING STATION - SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE-- | 129.5 | | | | | | | | | | | | | | |
| <u>VERNALIS TO FREMONT FORD BRIDGE</u> | | | | | | | | | | | | | | | |
| Total | | | 4945 | 292 | 20 | 425 | 229 | 3103 | 3463 | 26210 | 26940 | 30650 | 35280 | 20620 | 152200 |
| Average cubic feet per second | | | 80 | 5 | 0 | 7 | 4 | 50 | 58 | 426 | 453 | 498 | 574 | 347 | 210 |
| Monthly use in percent of seasonal | | | 3.3 | 0.2 | 0 | 0.3 | 0.2 | 2.0 | 2.3 | 17.2 | 17.7 | 20.1 | 23.2 | 13.5 | |

* West Stanislaus Irrigation District Canal Intake Canal joins the San Joaquin River at mile 91.8L. Distance from the river and bank location of diversion are shown in parentheses.

a Previously published as Cruze, Trudel and Gillmeister.

b Previously published as J. V. Steenstrup Estate.

c Includes an undetermined amount of water returned to river by spill.

d New installation in 1967.

TABLE B-6 (Cont.)
 DIVERSIONS - SAN JOAQUIN RIVER
 (Fremont Ford Bridge to Gravelly Ford)
 October 1966 through September 1967

| WATER USER | M E AND BANK ABOVE MOUTH | NUMBER AND SIZE OF PUMP IN INCHES | MONTHLY DIVERSION IN ACRE - FEET | | | | | | | | | | | | TOTAL DIVERSION OCT.-SEPT. ACRE-FEET |
|---|-----------------------------------|--|----------------------------------|-------|------|------|-------|-------|-------|--------|--------|--------|--------|-------|---|
| | | | OCT. | NOV. | DEC. | JAN. | FEB | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | |
| --GAGING STATION - SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE-- | 129.5 | Gravity | | | | | | | | | | | | | 165574 |
| --GAGING STATION - SAN JOAQUIN RIVER NEAR OOS PALOS-- | 186.0 | | | | | | | | | | | | | | |
| San Luis Canal Company | 186.6 L | | | | | | | | | | | | | | |
| --FIREBAUGH BRIDGE-- | 198.4 | Gravity | | | | | | | | | | | | | 505408 |
| --GAGING STATION - SAN JOAQUIN RIVER NEAR MENDOTA-- | | | | | | | | | | | | | | | |
| --MENDOTA OAM-- | 208.63 | | | | | | | | | | | | | | |
| Central California Irrigation District | 208.8 L | | 20279 | 8037 | 220 | 2799 | 10607 | 41812 | 19918 | 84834 | 99479 | a97257 | a80043 | 40123 | |
| --FRESNO SLOUGH-- | c 209.0 L | | | | | | | | | | | | | | |
| --OELTA-MENDOTA CANAL-- | (0.2L) | | | | | | | | | | | | | | |
| Firebaugh Canal Company | c (0.4L) | | 1932 | 351 | | 123 | 1940 | 6696 | 547 | 12121 | 14037 | 8650 | 5978 | 4903 | |
| M. Jensen | | | | | | | | | | | | | | | |
| M. L. Dudley | c (3.4L) | | 119 | 157 | | | 145 | 442 | 184 | 440 | 379 | 514 | 428 | 272 | |
| State of California Mendota Waterfowl Management | c (6.45-8.20) | | 5169 | 2442 | 575 | | 14 | 135 | 224 | 1486 | 2477 | 3215 | 3259 | 4796 | |
| Fresno Slough Water Oistrict | c(9.20-10.50) | | | 50 | 22 | | 232 | 605 | | 111 | 419 | 436 | 456 | 113 | |
| --JAMES BYPASS-- | (11.80R) | | | | | | | | | | | | | | |
| Traction Water District | e(0.75) | 575 | 139 | | | 12 | 591 | 286 | 119 | 534 | 990 | 958 | 700 | | |
| Reclamation District 1606 | e(1.50) | | | | | 40 | 58 | | | | | | | | |
| James Irrigation District | e (4.4) | 32 | | | | 4395 | 5663 | 202 | | 1870 | 2898 | 6123 | 2860 | | |
| Tranquillity Irrigation District | c(12.00-13.75) | 292 | | | 405 | 4570 | 2692 | 159 | 1113 | 3773 | 5318 | 3826 | 1105 | | |
| Melvin D. Hughes | c (12.20) | | | | | | 20 | | | | 34 | | | | |
| --LONE WILLOW SLOUGH-- | 219.8 R | | | | | | | | | | | | | | |
| Columbia Canal Company | 219.8 R | | 2733 | 2358 | 569 | 954 | 1718 | 6101 | 2460 | 8392 | 8838 | 8543 | 8626 | | |
| State Center Land Company | | g 1-6 | 268 | 99 | 38 | | | | | | 101 | 163 | 196 | | |
| C. Sawall | | 1-8 | | | | | | | | | | | | | |
| Mendota Duck Club | | 1-8 | | | | | | | | | | | | | |
| M. Beck | | h 1-8 | 16 | | | | | | | | | | | | |
| Mario Giomi (Jennings Ranch) | | | | | | | | | | | | | | | |
| F. A. Yearout | | | | | | | | | | | | | | | |
| Tulle Gun Club | | i 1-8 | 18 | | | | | | | | | | | | |
| Westlands Water District | | | 987 | 867 | 586 | 1056 | 1924 | 4034 | 1258 | 2944 | 4251 | 4786 | 4276 | | |
| Grasslands | | | 25831 | 3511 | | | | | | | | | 10520 | | |
| J. W. Wilson | | | | | | | 149 | 18 | | | 58 | 196 | 95 | | |
| --GAGING STATION - SAN JOAQUIN RIVER AT WHITEHOUSE-- | 219.83 | | | | | | | | | | | | | | |
| --GRAVELLY FORD CANAL-- | 232.8 R | | | | | | | | | | | | | | |
| FREMONT FORD BRIDGE TO GRAVELLY FORD | | | | | | | | | | | | | | | |
| Total | | | 66298 | 22954 | 4468 | 5608 | 30593 | 80528 | 31087 | 134705 | 165552 | 163857 | 140468 | 91366 | |
| Average cubic feet per second | | | 1078 | 386 | 73 | 91 | 551 | 1310 | 522 | 2191 | 2782 | 2665 | 2284 | 1536 | |
| Monthly use in percent of seasonal | | | 7.1 | 2.4 | 0.5 | 0.6 | 3.3 | 8.6 | 3.3 | 14.4 | 17.6 | 17.5 | 15.0 | 9.7 | |

Records for this reach furnished by the U. S. Bureau of Reclamation and the Contracting Entities, and include operational spill.
 Acre-feet values are published as received and not rounded to the criteria used by the Department of Water Resources.

- a Includes transferred water.
- b Total does not include Central California Irrigation District deliveries from the Delta-Mendota Canal.
- c Plant is located on Fresno Slough which diverts from the San Joaquin River at mile 209.0L. Distance from the San Joaquin River and bank of slough on which diversion is located are shown in parentheses.
- d Total does not include Firebaugh Canal Company deliveries from the Delta Mendota Canal.
- e Plant is located on James Bypass which diverts from Fresno Slough at mile 11.80R. Distance from Fresno Slough and bank location of diversion are shown in parentheses.
- f Includes deliveries to Giotz property under transfer to Westlands Water District.
- g One 6-inch pump located on arm of slough at SW corner S. 12, T. 14 S., R. 15 E.
- h One 8-inch pump located on arm of slough 1400 feet S. of NE corner, S. 24, T. 14 S., R. 15 E.
- i One 8-inch pump located on arm of slough adjacent to M. Beck.
- j Does not include transferred water delivered to Giotz property by Tranquillity Irrigation District and deliveries under separate agreements by Panoche Water District and San Luis Water District.

TABLE 8-6 (Cont.)

DIVERSIONS - SAN JOAQUIN RIVER
(Gravelly Ford to Friant Dam)
October 1966 through September 1967

| WATER USER | MILE AND BANK ABOVE MOUTH | NUMBER AND SIZE OF PUMP IN INCHES | MONTHLY DIVERSION IN ACRE - FEET | | | | | | | | | | | | TOTAL DIVERSION OCT.-SEPT. ACRE-FEET |
|--|------------------------------------|--|----------------------------------|------|------|------|------|------|------|-----|------|------|------|-------|---|
| | | | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | |
| Carl H. Hobe | 233.03R | 2- 6 | 123 | 84 | 8 | | | 2 | 25 | 48 | 91 | 274 | 314 | 230 | 1199 |
| United Packing Company | 233.63L | 1- 6 | 93 | | | | | 102 | 37 | 54 | 46 | 104 | 26 | 28 | 490 |
| --SKAGGS BRIDGE-- | 238.26 | | | | | | | | | | | | | | |
| --U. S. HIGHWAY 99 BRIDGE-- | 247.38 | | | | | | | | | | | | | | |
| --SANTA FE RAILROAD BRIDGE-- | 249.23 | | | | | | | | | | | | | | |
| Miller Brothers | 251.46L | 1- 6 | 1 | | | | | 8 | | | 29 | 55 | 68 | 28 | 189 |
| Sycamore Island Stock Ranch 5 | 255.34R | 1- 6 | | | | | | | | 49 | 23 | 44 | 126 | 40 | 278 |
| Sycamore Island Stock Ranch 4 a | 255.84 | 1- 5 | 17 | | | | | 2 | | | | 68 | 53 | 34 | 174 |
| Oscar Spano River Ranch 4 | 256.38L | 1- 8 | 81 | | | | | 7 | | 26 | 34 | 65 | 103 | 44 | 360 |
| Sycamore Island Stock Ranch 2 | 256.52R | 1- 8 | | 2 | | | | 8 | | 15 | 52 | 116 | 96 | 29 | 318 |
| Oscar Spano River Ranch 1 | 257.10L | 1-16 | 158 | | | | | 14 | 52 | 140 | 132 | 220 | 227 | 132 | 1075 |
| Oscar Spano River Ranch 2 | 257.70L | 1-12 | 47 | | | | | | | 64 | 3 | 172 | 107 | 82 | 475 |
| James Sims b | 258.08R | 1- 6 1- 7 | 6 | | | | | | | 6 | 66 | 146 | 130 | 27 | 381 |
| --STATE HIGHWAY 41 BRIDGE-- | 258.33 | | | | | | | | | | | | | | |
| W. E. Roberts 1 | 258.80L | 1- 6 | | | | | | 1 | | 55 | 85 | 48 | 13 | 16 | 218 |
| W. E. Roberts 2 | 258.90L | 1-12 | 78 | 14 | 1 | | | | | | | 109 | 189 | 195 | 586 |
| J. E. Cobb | 259.39R | 2- 6 | 3 | 2 | | | | | | 4 | 61 | 93 | 87 | 9 | 259 |
| --OLD LANES BRIDGE-- | 259.78 | | | | | | | | | | | | | | |
| J. E. Cobb 3 | 260.40R | 1- 6 | 47 | 21 | | | | 12 | | 57 | 100 | 130 | 126 | 74 | 567 |
| R. C. Arnold | 261.53R | 1- 4 1- 5 | 27 | | | | | 1 | | 26 | 84 | 157 | 120 | 50 | 465 |
| Duane M. Folsom | 261.70L | 1- 6 | 81 | 10 | | | | | | | 15 | 190 | 166 | 86 | 548 |
| E. G. Rank, Jr. | 262.32L | 1- 5 | 26 | 2 | | | | 4 | | 39 | 36 | 69 | 71 | 30 | 277 |
| W. H. Rohde | 262.66L | 1- 7 | | | | | | 4 | | 2 | 18 | 53 | 51 | 21 | 149 |
| H. K. Jensen | 263.76R | 1- 5 | 37 | 7 | | | | | | 33 | 48 | 60 | 68 | 41 | 294 |
| W. F. Ball 2 c | 264.04L | 1- 6 | 52 | 4 | | | 21 | 18 | | 84 | 82 | 78 | 90 | 76 | 505 |
| H. W. Ball 4 | 264.08L | 1- 6 | 38 | 1 | | | | | | | | | | | 39 |
| Ike D. Ball | 264.60R | 1- 6 | 70 | 20 | | | | | | 57 | 133 | 134 | 99 | 111 | 624 |
| W. F. Ball 1 | 264.83L | 1- 4 1- 5 | 41 | 2 | | | | | | 49 | 36 | 99 | 72 | 58 | 357 |
| Virgil Durando | 267.56L | 1- 8 | 28 | | | | 3 | 56 | 4 | | 137 | 219 | 219 | 64 | 730 |
| --GAGING STATION - SAN JOAQUIN RIVER BELOW FRIANT-- | 268.13L | | | | | | | | | | | | | | |
| --FRIANT BRIDGE-- | 268.88 | | | | | | | | | | | | | | |
| --COTTONWOOD CREEK-- | 269.53R | | | | | | | | | | | | | | |
| --FRIANT DAM-- | 269.63 | | | | | | | | | | | | | | |
| GRAVELLY FORD TO FRIANT DAM | | | | | | | | | | | | | | | |
| Total | | | 1054 | 169 | 9 | 0 | 24 | 239 | 118 | 804 | 1311 | 2703 | 2621 | 1505 | 10560 |
| Average cubic feet per second | | | 17 | 3 | 0 | 0 | 0 | 4 | 2 | 13 | 22 | 44 | 43 | 25 | 15 |
| Monthly use in percent of seasonal | | | 10.0 | 1.6 | 0.1 | 0 | 0.2 | 2.3 | 1.1 | 7.6 | 12.4 | 25.6 | 24.8 | 14.3 | |

a Point of diversion and place of use is on island in midstream.

b Previously published as L. D. Cobb.

c New installation in 1967.

TABLE B-6 (Cont.)
 DIVERSIONS - STANISLAUS RIVER
 October 1966 through September 1967

| WATER USER | MILE AND BANK ABOVE MOUTH | NUMBER AND SIZE OF PUMP IN INCHES | MONTHLY DIVERSION IN ACRE - FEET | | | | | | | | | | | | TOTAL DIVERSION OCT.-SEPT. ACRE-Feet |
|--|------------------------------------|--|----------------------------------|------|------|------|------|------|------|------|------|------|------|-------|---|
| | | | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | |
| Moresco Brothers | 1.9 R | 1-16 | | | | | | | | 63 | | | 102 | 134 | 299 |
| C. C. Angyal | 2.4 R | 1-18 | 149 | | | | | | | 434 | 75 | 290 | 298 | 132 a | 1378 |
| Faith Ranch | 3.4 L | 2-12 1-16 | 718 | | | | | 306 | 149 | 82 | 505 | 113 | 539 | 594 | 3006 |
| Reclamation District 2064 | 4.0 R | 1-14 1-16 2-20 | 874 | | | | | 270 | 24 | 1350 | 1400 | 1990 | 2570 | 2060 | 10540 |
| Reclamation District 2075 | 4.05R | 2-16 1-20 | | | | | | 856 | 139 | 2840 | 3110 | 2440 | 2250 | 1650 | 13280 |
| D. F. Koetitz | 4.7 L | 1-20 | 1 | | | | | | | 147 | 40 | | 138 | 349 | 675 |
| E. T. Mape | 4.75L | 1-20 | 75 | | | | | | | 35 | | 6 | | 37 | 153 |
| Henry Pelucca | 5.5 L | 1-16 | | | | | | | | | | | 16 | | 16 |
| Alice Gill | 6.4 L | 1-14 | | | | | | | | 174 | 236 | 339 | 262 | 350 a | 1361 |
| D. J. Macedo | 8.4 R | 1-16 | 228 | | | | | | | 105 | 295 | 300 | 433 | 370 | 1731 |
| N. E. Cannon | 8.7 R | 1-10 | 72 | | | | | 50 | 34 | 293 | 485 | 408 | 235 | 282 | 1859 |
| --GAGING STATION - STANISLAUS RIVER AT KOETITZ RANCH-- | 9.35 | | | | | | | | | | | | | | |
| D. F. Koetitz | 9.4 L | 1-12 | 55 | | | | | 1 | | 258 | 175 | 351 | 285 | 254 | 1379 |
| John L. Hertle | 9.8 L | 1-10 | | | | | | | 8 | 5 | 8 | 24 | 25 | 46 | 116 |
| Joe Laurence b | 10.0 R | 1-16 | | | | | | | | | | | 38 | | 38 |
| Joe Laurence b | 10.5 R | 1-16 | | | | | | | | | | | 525 | 210 | 735 |
| --GAGING STATION - STANISLAUS RIVER AT RIPON-- | 15.7 L | | | | | | | | | | | | | | |
| --SOUTHERN PACIFIC RAILROAD BRIDGE-- | 15.7 | | | | | | | | | | | | | | |
| --U. S. HIGHWAY 99 BRIDGE-- | 15.7 | | | | | | | | | | | | | | |
| A. Girardi | 17.7 L | 1-16 | | | | | | | | 77 | 100 | 111 | 172 | 17 a | 477 |
| Estate of Robert Paul Barton and Alice Lee Barton c | 19.0 R | 1-14 | 12 | | | | | | | 43 | 36 | 67 | 117 | 32 | 307 |
| Libby, McNeill and Libby | 20.9 R | 1-14 | | | | | | | | 375 | 233 | 380 | 369 | 141 | 1498 |
| --MODESTO-ESCALON HIGHWAY BRIDGE-- | 29.6 | | | | | | | | | | | | | | |
| --SANTA FE RAILROAD BRIDGE-- | 33.4 | | | | | | | | | | | | | | |
| --GAGING STATION - STANISLAUS RIVER AT RIVERBANK-- | d 33.6 | | | | | | | | | | | | | | |
| --BURNEYVILLE-FERRY BRIDGE-- | d 33.7 | | | | | | | | | | | | | | |
| Oakdale Irrigation District e (Crawford Pump) | 37.7 L | 1-14 | | | | | | | | 22 | 134 | 185 | 112 | 64 | 517 |
| Oakdale Irrigation District e (Brady Pump) | 39.1 L | 1-12 | | | | | | | | 5 | 43 | 135 | 100 | 75 | 358 |
| --OAKDALE-STOCKTON HIGHWAY BRIDGE-- | 41.2 | | | | | | | | | | | | | | |
| --SOUTHERN PACIFIC RAILROAD BRIDGE (OAKDALE BRANCH)-- | 41.2 | | | | | | | | | | | | | | |
| --GAGING STATION - STANISLAUS RIVER AT ORANGE BLOSSOM BRIDGE-- | 47.0 | | | | | | | | | | | | | | |
| --KNIGHTS FERRY BRIDGE-- | 54.5 | | | | | | | | | | | | | | |
| <u>STANISLAUS RIVER</u> | | | | | | | | | | | | | | | |
| Total | | | 2184 | 0 | 0 | 0 | 0 | 1483 | 354 | 6308 | 6875 | 7139 | 8586 | 6797 | 39720 |
| Average cubic feet per second | | | 36 | 0 | 0 | 0 | 0 | 24 | 6 | 103 | 116 | 116 | 140 | 114 | 55 |
| Monthly use in percent of seasonal | | | 5.5 | 0 | 0 | 0 | 0 | 3.7 | 0.9 | 15.9 | 17.3 | 18.0 | 21.6 | 17.1 | |

a Includes an undetermined amount of water returned to river by spill

b Previously published as Joe Laurence.

c Previously published as E. J. Freethy

d Gaging station discontinued in March 1967 when Burneyville Bridge was relocated .1 mile upstream.

e Oakdale Irrigation District for season of 1967 maintained plants at miles 37.7L and 39.1L to supplement district gravity supply.

TABLE B-6 (Cont.)
 DIVERSIONS - TUOLUMNE RIVER
 October 1966 through September 1967

| WATER USER | MILE AND BANK ABOVE MOUTH | NUMBER AND SIZE OF PUMP IN INCHES | MONTHLY DIVERSION IN ACRE - FEET | | | | | | | | | | | | TOTAL DIVERSION OCT.-SEPT. ACRE-Feet |
|--|------------------------------------|--|----------------------------------|------|------|------|------|------|------|------|------|------|------|-------|---|
| | | | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | |
| E. T. Mape | 1.3 R | 2-14 | 383 | 88 | | | | 168 | | 416 | 428 | 448 | 481 | 318 | 2730 |
| John and Robert Bogetti a | 1.9 L | 2-12 | 37 | | | | | 195 | | | | 74 | 109 | 239 | 654 |
| John and Robert Bogetti a | 2.9 L | 1-10 1-12 | 123 | 1 | | | | 161 | | 123 | 282 | 209 | 243 | 163 | 1305 |
| --GAGING STATION - TUOLUMNE RIVER AT TUOLUMNE CITY - (SHILOH BRIDGE)-- | 3.35 | | | | | | | | | | | | | | |
| Bancroft Fruit Farms | 5.0 R | 1-10 | 3 | | | 3 | | | | 38 | 46 | 50 | 59 | 48 | 247 |
| Della Battestin | 5.9 L | 1-16 | | 5 | | | | | | | 36 | | | 1 | 42 |
| Western Farms | 6.3 L | 1-16 | | | | | | | | 69 | 36 | 64 | 119 | 47 | 335 |
| Eugene Soone, Galen Hartwich, and Ted Gonzales b | 7.1 R | 1-10 | 6 | | | | | | | 72 | 6 | 101 | 78 | 26 | 289 |
| Beth Wootten | 8.4 R | 1-10 | | | | | | | | 114 | 14 | 100 | 121 | 79 | 428 |
| James A. McCleskey | 9.4 L | 1-16 | 77 | 2 | 1 | | 1 | | | 341 | 246 | 323 | 411 | 163 | 1565 |
| James A. McCleskey | 9.7 R | 1-16 | 35 | 3 | | | | | | 25 | 70 | 117 | 66 | 147 | 463 |
| Homer Couchman | 10.2 R | 1-14 | 49 | | | | | | | 193 | 45 | 114 | 191 | 174 | 766 |
| --CARPENTER ROAD BRIDGE-- | 12.9 | | | | | | | | | | | | | | |
| --U. S. HIGHWAY 99 FREEWAY BRIDGE-- | 15.55 | | | | | | | | | | | | | | |
| --SEVENTH STREET BRIDGE-- | 15.75 | | | | | | | | | | | | | | |
| --SOUTHERN PACIFIC RAILROAD BRIDGE-- | 15.8 | | | | | | | | | | | | | | |
| --U. S. HIGHWAY 99 BRIDGE-- | 16.05 | | | | | | | | | | | | | | |
| --GAGING STATION - TUOLUMNE RIVER AT MODESTO-- | 16.05 | | | | | | | | | | | | | | |
| --DRY CREEK-- | 16.5 R | | | | | | | | | | | | | | |
| --EAST MODESTO BRIDGE-- | 19.3 | | | | | | | | | | | | | | |
| Jack Gardella | 20.3 R | 1-10 | 29 | 5 | | | | | | 60 | 47 | 40 | 40 | 47 | 268 |
| --SANTA FE RAILROAD BRIDGE-- | 21.6 | | | | | | | | | | | | | | |
| --SANTA FE ROAD BRIDGE-- | 21.65 | | | | | | | | | | | | | | |
| --GEER AVENUE BRIDGE-- | 26.0 | | | | | | | | | | | | | | |
| Michel Investment Company | 28.8 R | 1- 8 | 11 | 5 | | | | | | 34 | 43 | 75 | 82 | 52 | 302 |
| Firpo Ranch | 30.2 L | 1-10 | 23 | 1 | | | | | 1 | 35 | 7 | 149 | 102 | 53 | 371 |
| --SOUTHERN PACIFIC RAILROAD BRIDGE (OAKDALE BRANCH)-- | 31.5 | | | | | | | | | | | | | | |
| --GAGING STATION - TUOLUMNE RIVER AT HICKMAN BRIDGE-- | 31.55 | | | | | | | | | | | | | | |
| Iva M. Ketcham | 39.4 R | 1- 8 | 20 | | | | | | | 27 | 76 | 122 | 141 | 111 | 497 |
| Westley N. Sawyer | 39.8 L | 1- 8 | 34 | | | | | | | 47 | 40 | 117 | 91 | 107 | 436 |
| --ROBERTS FERRY BRIDGE-- | 39.9 | | | | | | | | | | | | | | |
| Westley N. Sawyer | 40.8 L | 1-14 | 34 | | | | | | | 81 | 63 | 146 | 138 | 91 | 553 |
| Curtner Zanker | 45.7 L | 1-10 | | | | | | | 1 | 15 | 69 | 42 | 51 | 25 | 203 |
| Dolling Brothers | 46.3 R | 1- 8 | 44 | | | | | | | 31 | 38 | 102 | 90 | 102 | 407 |
| --STATE HIGHWAY 132 BRIDGE-- | 47.4 | | | | | | | | | | | | | | |
| --GAGING STATION - TUOLUMNE RIVER AT LA GRANGE-- | 50.5 | | | | | | | | | | | | | | |
| <u>TUOLUMNE RIVER</u> | | | | | | | | | | | | | | | |
| Total | | | 908 | 110 | 1 | 3 | 1 | 524 | 2 | 1721 | 1592 | 2393 | 2613 | 1993 | 11860 |
| Average cubic feet per second | | | 15 | 2 | 0 | 0 | 0 | 9 | 0 | 28 | 27 | 39 | 42 | 33 | 16 |
| Monthly use in percent of seasonal | | | 7.7 | 0.9 | 0 | 0 | 0 | 4.4 | 0 | 14.5 | 13.4 | 20.2 | 22.1 | 16.8 | |

a Previously published as J. V. Steenstrup Estate.

b Previously published as Eugene Boone, Galen Hartwich and
 Or. Harold Willis.

TABLE B-6 (Cont.)
 DIVERSIONS - DRY CREEK
 October 1966 through September 1967

| WATER USER | MILE AND BANK ABOVE MOUTH | NUMBER AND SIZE OF PUMP IN INCHES | MONTHLY DIVERSION IN ACRE - FEET | | | | | | | | | | | | TOTAL DIVERSION OCT.-SEPT. ACRE- FEET |
|--|------------------------------------|--|----------------------------------|------|------|------|------|------|------|------|------|------|------|-------|--|
| | | | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | |
| --MODESTO-EMPIRE TRACTION COMPANY RAILROAD BRIDGE-- | 0.7 | | | | | | | | | | | | | | |
| --STATE HIGHWAY 132 BRIDGE (YOSEMITE BOULEVARD)-- | 0.8 | | | | | | | | | | | | | | |
| --LA LOMA BRIDGE-- | 1.2 | | | | | | | | | | | | | | |
| --EL VISTA AVENUE BRIDGE-- | 2.9 | | | | | | | | | | | | | | |
| --GAGING STATION - DRY CREEK NEAR MODESTO-- | 5.4 L | | | | | | | | | | | | | | |
| --CLAUS ROAD BRIDGE-- | 5.4 | | | | | | | | | | | | | | |
| --SANTA FE RAILROAD BRIDGE-- | 6.4 | | | | | | | | | | | | | | |
| --CHURCH STREET BRIDGE-- | 7.2 | | | | | | | | | | | | | | |
| --WELLSFORD ROAD BRIDGE-- | 8.7 | | | | | | | | | | | | | | |
| --ALBERS ROAD BRIDGE-- | 11.0 | | | | | | | | | | | | | | |
| --MODESTO IRRIGATION DISTRICT CANAL CROSSING-- | 11.1 | | | | | | | | | | | | | | |
| Edward Johnson | 12.6 R | 1- 6 | 14 | | | | | | | 27 | 35 | 54 | 53 | 19 | 202 |
| Edward Johnson | 12.7 R | 1- 6 | 5 | | | | | | | | 14 | 3 | 86 | 57 | 165 |
| Joe Fagundes | 14.7 R | 1-10 | 62 | | | | | | | 121 | 71 | 97 | 118 | 87 | 556 |
| --OAKDALE-WATERFORD HIGHWAY BRIDGE-- | 17.4 | | | | | | | | | | | | | | |
| <u>DRY CREEK</u> | | | | | | | | | | | | | | | |
| Total | | | 81 | 0 | 0 | 0 | 0 | 0 | 0 | 148 | 120 | 154 | 257 | 163 | 923 |
| Average cubic feet per second | | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 4 | 3 | 1 |
| Monthly use in percent of seasonal | | | 8.8 | 0 | 0 | 0 | 0 | 0 | 0 | 16.0 | 13.0 | 16.7 | 27.8 | 17.7 | |

TABLE B-6 (Cont.)
DIVERSIONS - MERCED RIVER
October 1966 through September 1967

| WATER USER | MILE AND BANK ABOVE MOUTH | NUMBER AND SIZE OF PUMP IN INCHES | MONTHLY DIVERSION IN ACRE - FEET | | | | | | | | | | | | TOTAL DIVERSION OCT.-SEPT. ACRE- FEET |
|--|------------------------------------|--|----------------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|--|
| | | | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | |
| --HILLS FERRY BRIDGE-- | 1.1 | | | | | | | | | | | | | | |
| Stevinson Water District | 1.7 R | 1-20 | | | | | | 62 | | | | | 363 | 246 | 671 |
| Stevinson Water District | 3.3 L | 1-20 | 320 | 38 | | | | 32 | | | 79 | 486 | 517 | 359 | 1831 |
| Stevinson Water District | 3.8 R | 1-18 | 156 | 23 | | | 3 | 46 | | 174 | 271 | 265 | 448 | 411 | 1797 |
| Milton Gordon | 4.3 L | 1-16 | 5 | | | | | | | 44 | 31 | 52 | 54 | 27 | 213 |
| --GAGING STATION - MERCED RIVER NEAR STEVINSON-- | 4.6 | | | | | | | | | | | | | | |
| Maria DeAngelis | 5.8 L | 1-12 | 7 | | | | | | | 27 | 48 | 60 | 55 | 11 | 208 |
| Stevinson Water District | 6.1 L | 1-20 | 100 | 43 | | | | 227 | | 391 | 624 | 515 | 312 | 274 | 2486 |
| Stevinson Water District | 7.7 L | 1-20 | 543 | 218 | | | 218 | 354 | | 248 | 510 | 376 | 127 | 178 | 2772 |
| Manuel Clementino | 8.5 L | 1-12 | | 10 | | | | | | 92 | 33 | 23 | 25 | 32 | 215 |
| Manuel Clementino | 8.9 L | 1-12 | 1 | | | | | | | 58 | 74 | 37 | 99 | 41 | 310 |
| Samuel B. McCullagh | 9.4 L | 1- 8 | | | | | | 94 | | 50 | 87 | 132 | 291 | 82 | 736 |
| Mrs. J. R. Jacinto | 9.6 L | 1-12 | 77 | | | | | | | 41 | 109 | 106 | 125 | 105 | 563 |
| Mrs. J. B. Silva, E. and J. Gallo Winery Ranch, L. Alves and A. Mattos | 10.35L | 1-10 | 36 | 6 | 292 | 2 | | | 2 | 97 | 354 | 169 | 215 | 124 | 1297 |
| Manuel Freitas | 10.9 L | 1-12 | 60 | 5 | | | | 42 | | 68 | 92 | 98 | 118 | 87 | 570 |
| R. E. Prusso and John Vierra | 10.9 L | 1- 8 1-12 | 21 | | | | | | | 51 | 123 | 64 | 101 | 72 | 432 |
| E. and J. Gallo Winery Ranch | 11.6 L | 1-18 | | 336 | 13 | | | 89 | 18 | 39 | 478 | 718 | 183 | | 1874 |
| --MILLIKEN BRIDGE-- | 11.65 | | | | | | | | | | | | | | |
| Anthony L. Calderia | 12.5 R | 1-12 | 10 | | | | | | | | 68 | 19 | 87 | 29 | 213 |
| E. and J. Gallo Winery Ranch | 12.85L | 1-12 | | 158 | 20 | | | 3 | 8 | | 190 | 202 | 153 | | 734 |
| J. M. Souza | 14.5 L | 1-10 | 8 | | | | | | | 16 | | 96 | 93 | 43 | 256 |
| E. and J. Gallo Winery Ranch | 16.5 L | 1-14 | | | 4 | | | 4 | 9 | 16 | 134 | 128 | 124 | | 419 |
| J. E. Gallo | 20.4 L | 1- 8 | 34 | 104 | | | | 28 | 8 | 59 | 38 | 148 | 15 | | 434 |
| --U. S. HIGHWAY 99 BRIDGE-- | 21.04 | | | | | | | | | | | | | | |
| --SOUTHERN PACIFIC RAILROAD BRIDGE-- | 21.05 | | | | | | | | | | | | | | |
| Gallo Cattle Company | 22.2 R | 1- 8 1-16 | | 111 | | | | 243 | 43 | 148 | 43 | 319 | 70 | | 977 |
| Gallo Cattle Company | 22.8 R | 1-12 1-15 | | 65 | | | | 44 | | 74 | 33 | 175 | 25 | | 416 |
| Merced River Farms Association | 26.3 R | 1- 8 | 1 | | | | | 3 | 1 | 24 | 22 | 42 | 41 | 12 | 146 |
| --SANTA FE RAILROAD BRIDGE-- | 27.05 | | | | | | | | | | | | | | |
| W. C. Magneson | 27.5 R a | 1-12 | 28 | | | | | | | | 52 | 107 | 81 | 77 | 345 |
| --GAGING STATION - MERCED RIVER AT CRESSEY-- | 27.55 | | | | | | | | | | | | | | |
| --CRESSEY BRIDGE-- | 27.55 | | | | | | | | | | | | | | |
| Manuel Silva | 29.9 R | 1- 6 1-10 | | | | | | | | | 37 | 32 | | 44 | 113 |
| Manuel Silva | 30.95R | 1-12 | 29 | | | | | | | | 38 | 41 | 60 | 44 | 212 |
| Rancho Con Valor | 31.1 L | 1- 8 1-12 | 58 | 3 | | | | | | 42 | 23 | 119 | 148 | 20 | 413 |
| Manuel Silva | 31.4 R | 1-10 | 4 | | | | | | | | | | | | 4 |
| P. Hilarides | 32.2 L | 1-12 | 118 | | | | | | | | | 68 | 12 | | 198 |
| --SHAFFER BRIDGE-- | 32.5 | | | | | | | | | | | | | | |
| Harry P. Schmidt and Sons | 33.1 R | 1-10 | | | | | | | | 12 | 4 | 130 | 103 | 52 | 301 |
| W. P. Bettencourt, P. Hilarides, and Cowel Lime and Cement Co. | 36.9 L | Gravity | 155 | 151 | 14 | | | 164 | 369 | 624 | 1130 | 1310 | 1530 | 981 b | 6428 |
| Amsterdam Orchards Incorporated | 39.1 L | 1-14 | 12 | 6 | 2 | 3 | 23 | 156 | 7 | 7 | 11 | 13 | 21 | 16 | 277 |
| Ratzlaff Brothers | 40.2 L | 1- 2 1- 4 | 1 | | | | | | | 32 | 38 | 50 | 62 | 34 | 217 |
| --COX FERRY BRIDGE-- | 42.1 | | | | | | | | | | | | | | |
| Cowel Ditch | 45.3 R | Gravity | 575 | 562 | 918 | 419 | 183 | 72 | 1850 | 4770 | 4270 | 3860 | 3830 | 3420 | 24730 |
| --GAGING STATION - MERCED RIVER BELOW SNELLING-- | 46.2 | | | | | | | | | | | | | | |
| Jorgenson Ditch | 46.3 R | Gravity | 182 | 149 | 152 | 167 | 158 | 336 | 373 | 923 | 1230 | 788 | 783 | 549 | 5790 |
| --SNELLING BRIDGE-- | 46.4 | | | | | | | | | | | | | | |
| Cook and Dale Ditch | 47.0 R | Gravity | 179 | 69 | 37 | 93 | 28 | 73 | 63 | 659 | 1080 | 1140 | 754 | 745 | 4920 |
| Ruddle Ditch | 47.9 R | Gravity | 1070 | 1030 | 854 | 813 | 781 | 874 | 1500 | 2790 | 3670 | 3960 | 3780 | 2660 | 23780 |
| Canevaro Ditch | 50.0 R | Gravity | 130 | 105 | 60 | 52 | 43 | 79 | 104 | 264 | 496 | 650 | 711 | 470 | 3164 |
| MERCED RIVER | | | | | | | | | | | | | | | |
| Total | | | 3920 | 3192 | 2366 | 1549 | 1434 | 3025 | 4355 | 11840 | 15520 | 16500 | 15520 | 11240 | 90460 |
| Average cubic feet per second | | | 64 | 54 | 38 | 25 | 26 | 49 | 73 | 193 | 261 | 268 | 252 | 189 | 125 |
| Monthly use in percent of seasonal | | | 4.3 | 3.5 | 2.6 | 1.7 | 1.6 | 3.3 | 4.8 | 13.1 | 17.2 | 18.3 | 17.2 | 12.4 | |

a Replaces a 10-inch unit.

b Includes an undetermined amount of water returned to river by spill.

TABLE B-6 (Cont.)
DIVERSIONS - TULE RIVER
October 1966 through September 1967

| WATER USER | MILE AND BANK BELOW SUCCESS DAM | NUMBER AND SIZE OF PUMP IN INCHES | MONTHLY DIVERSION IN ACRE - FEET | | | | | | | | | | | | TOTAL DIVERSION OCT.-SEPT. ACRE-FEET |
|--|--|--|----------------------------------|------|------|------|------|--------------|------|-------|-------|------|-------|-------|---|
| | | | OCT. | NOV. | OEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | |
| --SUCCESS DAM-- | 0.0 | | | | | | | | | | | | | | |
| --GAGING STATION - TULE RIVER BELOW SUCCESS DAM-- | 0.35 | | | | | | | | | | | | | | |
| Campbell-Moreland Ditch | 2.4 L | Gravity | | | 1289 | 1410 | 746 | 696 | | 419 | 849 | 821 | 1047 | 982 | 8259 |
| --PORTER SLOUGH-- | 2.4 R | | | | | | | | | | | | | | |
| --GAGING STATION - PORTER SLOUGH AT PORTERVILLE (B LANE BRIDGE)-- | a (2.4) | | | | | | | | | | | | | | |
| --PIONEER SPILL-- | a (3.7R) | | | | | | | | | | | | | | |
| Porter Slough Ditch | a (4.5R) | Gravity | | | | | | 171 | 268 | 662 | 748 | 938 | 964 | 689 | 4440 |
| --GAGING STATION - PORTER SLDUGH NEAR PORTERVILLE (NEWCOMB ROAD)-- | a (6.1) | | | | | | | | | | | | | | |
| Vandalia Ditch | 3.1 L | Gravity | | | 198 | 78 | 39 | 172 | 192 | 206 | 231 | 198 | 229 | 192 | 1735 |
| --SANTA FE RAILROAD BRIDGE-- | 5.1 | | | | | | | | | | | | | | |
| Poplar Ditch | 5.8 L | Gravity | | | 2810 | 2854 | 4050 | 3466 | 1562 | 5669 | 5139 | 3320 | 5288 | 4096 | 38250 |
| --MAIN STREET BRIDGE-- | 5.9 | | | | | | | | | | | | | | |
| --SOUTHERN PACIFIC RAILROAD BRIDGE-- | 6.0 | | | | | | | | | | | | | | |
| Hubbs-Miner Ditch | 6.4R | Gravity | | | 94 | | 58 | 240 | 216 | 607 | 515 | 858 | 516 | 415 | 3519 |
| --STATE HIGHWAY 65 BRIDGE-- | 6.6 | | | | | | | | | | | | | | |
| Rhodes-Fine Ditch | 8.4 L | Gravity | | | | | | NO DIVERSION | | | | | | | |
| --OLIVE AVENUE BRIDGE-- | 9.9 | | | | | | | | | | | | | | |
| --FRIANT-KERN CANAL CROSSING-- | 10.5 | | | | | | | | | | | | | | |
| Woods-Central Ditch | 11.0 L | Gravity | | | 2446 | 2908 | 2892 | 3594 | 1723 | 6696 | 4707 | 2773 | 10800 | 2436 | 40980 |
| --GAGING STATION - TULE RIVER BELOW PORTERVILLE-- | 11.8 | | | | | | | | | | | | | | |
| --DTTLE BRIDGE-- | 14.4 | | | | | | | | | | | | | | |
| <u>TULE RIVER</u> | | | | | | | | | | | | | | | |
| Total | | | 0 | 0 | 6837 | 7250 | 7785 | 8339 | 3961 | 14260 | 12190 | 8908 | 18840 | 8810 | 97180 |
| Average cubic feet per second | | | 0 | 0 | 111 | 118 | 140 | 136 | 67 | 232 | 205 | 145 | 306 | 148 | 134 |
| Monthly use in percent of seasonal | | | 0 | 0 | 7.0 | 7.4 | 8.0 | 8.6 | 4.1 | 14.7 | 12.5 | 9.2 | 19.4 | 9.1 | |

Records furnished by the Tule River Association. Acre-feet values are published as received and not rounded to the criteria used by the Department of Water Resources.

a Figure in parentheses indicates distance along Porter Slough from Tule River.

TABLE 8-7
DIVERSIONS AND ACREAGE IRRIGATED - EAST SIDE CANALS AND IRRIGATION DISTRICTS
October 1966 through September 1967

| WATER USER | DIVERSION | | | | | | | | | | | | | ACREAGE IRRIGATED | | | | |
|--|-----------|-------|-------|--------------------------------------|--------|--------|--------|-------|--------|--------|--------|--------|----------|-------------------|------|--|--|--|
| | OCT | NDV | OEC. | JAN | FEB | MAR | APR. | MAY | JUNE | JULY | AUG. | SEPT. | TOTAL | GENERAL | RICE | | | |
| <u>Priant-Kern Canal</u> | | | | <u>San Joaquin River^a</u> | | | | | | | | | | | | | | |
| Total acre-feet diverted | 32238 | 16421 | 96 | 7005 | 140924 | 146481 | 104321 | 57987 | 138660 | 237995 | 260112 | 233643 | 1375883 | Not Available | | | | |
| Average cubic feet per second | 524 | 276 | 2 | 114 | 2537 | 2382 | 1753 | 943 | 2330 | 3871 | 4230 | 3927 | 1900 | | | | | |
| Monthly use in percent of seasonal | 2.3 | 1.2 | 0 | 0.5 | 10.2 | 10.7 | 7.6 | 4.2 | 10.1 | 17.3 | 18.9 | 17.0 | | | | | | |
| <u>Madera Canal</u> | | | | | | | | | | | | | | | | | | |
| Total acre-feet diverted | 143 | 0 | 0 | 7408 | 15802 | 13799 | 14247 | 35372 | 51932 | 76140 | 73677 | 44326 | 332846 | Not Available | | | | |
| Average cubic feet per second | 2 | 0 | 0 | 120 | 285 | 224 | 239 | 575 | 873 | 1238 | 1198 | 745 | 460 | | | | | |
| Monthly use in percent of seasonal | 0 | 0 | 0 | 2.2 | 4.8 | 4.2 | 4.3 | 10.6 | 15.6 | 22.9 | 22.1 | 13.3 | | | | | | |
| <u>Merced Irrigation District</u> | | | | <u>Merced River</u> | | | | | | | | | | | | | | |
| Main Canal | 0 | 0 | 0 | 0 | 0 | 504 | 18996 | 86096 | 104370 | 120002 | 112395 | 85390 | b 527753 | c 99901 | 5978 | | | |
| Northside Canal | 446 | 298 | 50 | 60 | 56 | 54 | 242 | 2660 | 3735 | 4483 | 4501 | 3671 | 20256 | c 4408 | | | | |
| Total acre-feet diverted | 446 | 298 | 50 | 60 | 56 | 558 | 19238 | 88756 | 108105 | 124485 | 116896 | 89061 | 548009 | | | | | |
| Average cubic feet per second | 7 | 5 | 1 | 1 | 1 | 9 | 323 | 1443 | 1817 | 2024 | 1901 | 1497 | 757 | | | | | |
| Monthly use in percent of seasonal | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 3.5 | 16.2 | 19.7 | 22.7 | 21.3 | 16.3 | | | | | | |
| <u>Turlock Irrigation District</u> | | | | <u>Tuolumne River</u> | | | | | | | | | | | | | | |
| Total acre-feet diverted | 23530 | 31770 | 6700 | 2000 | 1950 | 18560 | 40760 | 80940 | 96600 | 118000 | 93620 | 95430 | d 609860 | e 172931 | 0 | | | |
| Average cubic feet per second | 383 | 534 | 109 | 33 | 35 | 302 | 685 | 1316 | 1623 | 1919 | 1523 | 1604 | 842 | | | | | |
| Monthly use in percent of seasonal | 3.9 | 5.2 | 1.1 | 0.3 | 0.3 | 3.0 | 6.7 | 13.3 | 15.6 | 19.3 | 15.4 | 15.7 | | | | | | |
| <u>Modesto Irrigation District</u> | | | | | | | | | | | | | | | | | | |
| Total acre-feet diverted | 8041 | 3630 | 16170 | 21 | 17 | 8441 | 21778 | 46490 | 59543 | 59196 | 40489 | 41924 | f 305740 | g 64109 | 461 | | | |
| Average cubic feet per second | 131 | 61 | 263 | 0 | 0 | 137 | 366 | 756 | 1001 | 963 | 658 | 705 | 422 | | | | | |
| Monthly use in percent of seasonal | 2.6 | 1.2 | 5.3 | 0 | 0 | 2.8 | 7.1 | 15.2 | 19.5 | 19.4 | 13.2 | 13.7 | | | | | | |
| <u>Waterford Irrigation District</u> | | | | | | | | | | | | | | | | | | |
| Total acre-feet diverted | 2079 | 0 | 0 | 0 | 0 | 329 | 1982 | 6130 | 7327 | 8954 | 7371 | 5596 | h 39768 | i 7214 | 0 | | | |
| Average cubic feet per second | 34 | 0 | 0 | 0 | 0 | 5 | 33 | 100 | 123 | 146 | 120 | 94 | 55 | | | | | |
| Monthly use in percent of seasonal | 5.3 | 0 | 0 | 0 | 0 | 0.8 | 5.0 | 15.4 | 18.4 | 22.5 | 18.5 | 14.1 | | | | | | |
| <u>Oakdale Irrigation District</u> | | | | <u>Stanislaus River</u> | | | | | | | | | | | | | | |
| Northside Canal | 2477 | 84 | 0 | 0 | 0 | 406 | 79 | 16843 | 20185 | 23880 | 22991 | 18239 | 105184 | j 20642 | 3452 | | | |
| Southside Canal | 3835 | 0 | 0 | 0 | 0 | 418 | 306 | 24688 | 29797 | 33939 | 33604 | 26906 | 153493 | k 34749 | 425 | | | |
| Total acre-feet diverted | 6312 | 84 | 0 | 0 | 0 | 824 | 385 | 41531 | 49982 | 57819 | 56595 | 45145 | 258677 | m 59268 | 0 | | | |
| Average cubic feet per second | 103 | 1 | 0 | 0 | 0 | 13 | 6 | 675 | 840 | 940 | 920 | 759 | 357 | | | | | |
| Monthly use in percent of seasonal | 2.4 | 0 | 0 | 0 | 0 | 0.3 | 0.1 | 16.1 | 19.3 | 22.4 | 21.9 | 17.5 | | | | | | |
| <u>South San Joaquin Irrigation District</u> | | | | | | | | | | | | | | | | | | |
| Total acre-feet diverted | 3116 | 0 | 0 | 0 | 4385 | 4837 | 6912 | 36942 | 48891 | 51145 | 42610 | 42523 | 241361 | n 61121 | 266 | | | |
| Average cubic feet per second | 51 | 0 | 0 | 0 | 79 | 79 | 116 | 601 | 822 | 832 | 693 | 715 | 333 | | | | | |
| Monthly use in percent of seasonal | 1.3 | 0 | 0 | 0 | 1.8 | 2.0 | 2.9 | 15.3 | 20.3 | 21.2 | 17.6 | 17.6 | | | | | | |

- a Data for Madera and Priant-Kern Canals furnished by U. S. Bureau of Reclamation. All other data furnished by individual irrigation districts and published as received.
b An additional 63,081 acre-feet of water was pumped from wells.
c Of this acreage, 2,631 were double cropped. Does not include an undetermined amount of riparian water users acreage.
d An additional 154,963 acre-feet of water was pumped from wells.
e Of this acreage, 23,224 were double cropped.
f An additional 42,280 acre-feet of water was pumped from wells.
g Of this acreage, 9,394 were double cropped.

- h An additional 651 acre-feet of water was pumped from wells.
i Of this acreage, none were double cropped.
j Of this acreage, 275 were double cropped.
k Of this acreage, 773 were double cropped.
m This acreage also received 25,275 acre-feet of water from wells and controlled drainage.
n This acreage also received an undetermined amount of well water, and an undetermined amount of controlled drainage water from Oakdale Irrigation District. Of this acreage, 210 were double cropped. Includes 1,189 acres served by subirrigation.

TABLE 8-8
DELIVERIES FROM CENTRAL VALLEY PROJECT CANALS
October 1966 through September 1967

| WATER USER | MILE POST FROM CANAL HEAD | | MONTHLY DELIVERIES IN ACRE-FEET | | | | | | | | | | | | TOTAL |
|--|------------------------------|--------|---------------------------------|-------|------|-------|-------|---------------------|-------|-------|-------|-------|--------|-------|--------|
| | | | OCT | NOV | DEC. | JAN | FEB | MAR. | APR. | MAY | JUNE | JULY | AUG | SEPT | |
| | FROM | TO | | | | | | | | | | | | | |
| | | | | | | | | Delta-Mendota Canal | | | | | | | |
| State of California (South Bay Aqueduct) | 3.54 | | 6159 | 5098 | 4286 | 5466 | 551 | 2907 | 777 | 2250 | 5850 | 7757 | 7663 | 7054 | 55818 |
| Plain View Water District | 4.22 | 20.96 | 619 | 119 | 0 | 8 | 3 | 145 | 54 | 2328 | 2944 | 3964 | 4175 | 2438 | 16797 |
| Carnazzo Land Company, Incorporated | 6.96 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 5 |
| Gallagher and Burke, Incorporated | 7.50 | | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| West Side Irrigation District | 14.79 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 994 | 1356 | 1370 | 1424 | 56 | 5200 |
| Wunderlich Corporation | 16.25 | | 29 | 8 | 3 | 22 | 2 | 2 | 1 | 16 | 22 | 17 | 17 | 19 | 15 |
| Hospital Water District | 18.06 | 30.96 | 956 | 178 | 31 | 6 | 9 | 810 | 534 | 4156 | 3946 | 5050 | 4724 | 2197 | 22597 |
| Banta-Carbona Irrigation District | 20.42 | | 186 | 0 | 0 | 0 | 0 | 55 | 52 | 2766 | 1370 | 1061 | 1317 | 381 | 7188 |
| Fredrickson & Watson Construction Company | 21.48 | 39.78 | 115 | 54 | 15 | 42 | 38 | 54 | 42 | 33 | 44 | 27 | 25 | 16 | 505 |
| West Stanislaus Irrigation District | 31.31 | | 559 | 130 | 0 | 0 | 0 | 0 | 0 | 2435 | 1207 | 7858 | 6245 | 0 | 18434 |
| Kern Canon Water District | 31.31 | 35.08 | 143 | 1 | 114 | 0 | 0 | 0 | 81 | 864 | 1291 | 1736 | 1633 | 565 | 6428 |
| Del Puerto Water District | 35.73 | 42.51 | 305 | 18 | 0 | 54 | 0 | 412 | 30 | 1908 | 2413 | 2544 | 3072 | 1841 | 12597 |
| Western Contracting Corporation | 41.49 | | 59 | 59 | 123 | 115 | 23 | 17 | 1 | 46 | 48 | 58 | 58 | 33 | 640 |
| Salado Water District | 42.10 | 46.83 | 215 | 11 | 0 | 0 | 0 | 130 | 0 | 1382 | 1838 | 2476 | 1783 | 697 | 8532 |
| Patterson Water District | 42.51 | | 73 | 0 | 0 | 0 | 0 | 0 | 0 | 502 | 934 | 827 | 1518 | 505 | 4359 |
| Sunflower Water District | 44.23 | 52.02 | 324 | 4 | 0 | 0 | 0 | 300 | 79 | 1882 | 2099 | 3084 | 2674 | 1162 | 11608 |
| Drestimba Water District | 46.83 | 51.41 | 0 | 28 | 0 | 0 | 1 | 201 | 20 | 886 | 1472 | 3560 | 2545 | 307 | 9020 |
| Foothill Water District | 51.65 | 57.46 | 139 | 56 | 0 | 1 | 1 | 447 | 2 | 964 | 1451 | 2100 | 2132 | 1012 | 8305 |
| Davis Water District | 53.64 | 56.82 | 65 | 1 | 0 | 0 | 0 | 9 | 33 | 546 | 526 | 716 | 586 | 326 | 2808 |
| Mustang Water District | 56.80 | 62.76 | 147 | 2 | 0 | 0 | 0 | 1 | 0 | 542 | 847 | 1079 | 1154 | 764 | 4536 |
| Central California Irrigation District | 60.65 | 76.05 | 2009 | 5 | 0 | 0 | 55 | 1116 | 657 | 542 | 617 | 5166 | 10893 | 6310 | 27370 |
| Peter Kiewit and Sons Company | 62.87 | | 137 | 118 | 14 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 273 |
| Quinto Water District | 64.32 | 67.55 | 306 | 18 | 0 | 10 | 1 | 27 | 38 | 531 | 1126 | 1234 | 1303 | 838 | 5432 |
| Romero Water District | 68.03 | | 396 | 348 | 0 | 0 | 0 | 0 | 0 | 149 | 397 | 439 | 619 | 439 | 2787 |
| San Luis Water District | 68.99 | 90.53 | 2375 | 1918 | 1077 | 2814 | 4858 | 6827 | 3379 | 6572 | 9900 | 13856 | 11507 | 3850 | 68933 |
| San Luis Water District, Municipal and Industrial | 69.21 | 87.48 | 26 | 6 | 0 | 1 | 2 | 3 | 0 | 12 | 15 | 36 | 29 | 42 | 172 |
| Grasslands Water District | 70.00 | | 10771 | 2850 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4485 | 18106 |
| Grasslands Water District Holding Res | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sam Hamburg Farm | 90.53 | | 2 | 2 | 1 | 0 | 3 | 2 | 2 | 2 | 4 | 5 | 4 | 3 | 30 |
| Panoche Water District | 93.25 | 96.70 | 1843 | 3394 | 461 | 1846 | 5674 | 9882 | 3363 | 6544 | 7870 | 13481 | 10005 | 2721 | 67084 |
| Eagle Field Water District | 93.27 | 94.57 | 42 | 228 | 0 | 0 | 290 | 549 | 93 | 400 | 676 | 592 | 567 | 200 | 3637 |
| Oro Loma Water District | 95.50 | 96.62 | 0 | 0 | 0 | 0 | 0 | 35 | 274 | 1134 | 1024 | 1214 | 1236 | 277 | 5194 |
| West Side Golf Association | 95.95 | | 12 | 6 | 3 | 4 | 3 | 6 | 4 | 18 | 18 | 23 | 27 | 16 | 140 |
| Mercy Springs Water District | 97.70 | 99.81 | 0 | 0 | 0 | 0 | 0 | 173 | 0 | 795 | 819 | 1017 | 698 | 450 | 3952 |
| Widren Water District | 102.03 | | 0 | 0 | 0 | 0 | 0 | 116 | 19 | 444 | 206 | 275 | 369 | 0 | 1429 |
| Broadview Water District | 102.95 | | 166 | 1093 | 626 | 1163 | 1157 | 2489 | 633 | 1718 | 2136 | 3885 | 2170 | 1470 | 18706 |
| U. S. Bureau of Reclamation Construction | | | 194 | 88 | 56 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 7 | 23 | 372 |
| Firebaugh Canal Company | 107.85 | 109.85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4246 | 8236 | 165 | 12647 |
| Total | | | 28378 | 15841 | 6810 | 11555 | 12673 | 26716 | 10169 | 43362 | 54467 | 90755 | 90416 | 40663 | 431805 |
| Net Deliveries DMC to Mendota Pool | | | 77038 | 26440 | 1575 | 14842 | 24754 | 87854 | 19835 | 0 | 815 | 63707 | 159100 | 96444 | 572404 |
| | | | | | | | | San Luis Canal | | | | | | | |
| San Luis Water District Total | 486+60 | 795+44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 12 |
| | | | | | | | | Madera Canal | | | | | | | |
| Madera Irrigation District | 6.10 | 32.2 | 0 | 0 | 0 | 97 | 9848 | 8148 | 4163 | 21509 | 31135 | 45545 | 43746 | 24695 | 188886 |
| Adobe Ranch | 20.6 | | 143 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 143 |
| Chowchilla Water District | 35.9 | | 0 | 0 | 0 | 7311 | 5954 | 5651 | 10084 | 13863 | 20797 | 30595 | 29931 | 19631 | 143817 |
| Total | | | 143 | 0 | 0 | 7408 | 15802 | 13799 | 14247 | 35372 | 51932 | 76140 | 73677 | 44326 | 332846 |

TABLE 8-8 (Cont.)
DELIVERIES FROM CENTRAL VALLEY PROJECT CANALS
October 1966 through September 1967

| WATER USER | MILE POST FROM CANAL HEAD FROM TO | MONTHLY DELIVERIES IN ACRE- FEET | | | | | | | | | | | | TOTAL |
|---|---|----------------------------------|-------|------|------|--------|--------|--------|-------|--------|--------|--------|--------|---------|
| | | OCT. | NOV | DEC. | JAN | FEB | MAR. | APR | MAY | JUNE | JULY | AUG | SEPT | |
| | | Millerton Lake | | | | | | | | | | | | |
| Fresno County Water District #18 | | 10 | 3 | 0 | 2 | 2 | 2 | 1 | 8 | 14 | 23 | 20 | 14 | 99 |
| County of Madera | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 13 |
| Millerton Lake Development Corporation | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Total | | 10 | 4 | 1 | 3 | 3 | 3 | 2 | 9 | 15 | 25 | 22 | 20 | 117 |
| | | Friant-Kern Canal | | | | | | | | | | | | |
| Garfield Water District | 7.53 | 188 | 116 | 84 | 0 | 60 | 54 | 0 | 357 | 490 | 587 | 413 | 282 | 2631 |
| Dog Creek Water District | 14.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| International Water District | 14.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 103 | 182 | 300 | 252 | 214 | 1051 |
| Round Mountain Water District | 20.85 21.33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 44 | 46 | 44 | 164 |
| Round Mountain Ranch | 20.22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 15 | 19 |
| Trimmer Springs Water District | 27.56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 89 | 68 | 85 | 268 |
| Consolidated Irrigation District | 28.50 | 0 | 0 | 0 | 2380 | 39404 | 11084 | 20716 | 0 | 0 | 0 | 28406 | 40862 | 142852 |
| Last Chance Water Ditch Company | 28.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Laguna Irrigation District | 28.50 | 0 | 0 | 0 | 0 | 1000 | 1000 | 0 | 0 | 0 | 0 | 0 | 0 | 2000 |
| Corcoran Irrigation District | 28.50 | 0 | 0 | 0 | 409 | 5591 | 2930 | 0 | 0 | 0 | 0 | 0 | 0 | 8930 |
| Stratford Irrigation District | 28.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tulare Lake Basin Water Storage District | 28.50 95.64 | 0 | 0 | 0 | 0 | 0 | 1470 | 0 | 0 | 0 | 0 | 0 | 0 | 1470 |
| Alta Irrigation District | 28.50 | 0 | 0 | 0 | 99 | 2902 | 1000 | 0 | 0 | 0 | 0 | 0 | 0 | 4001 |
| Fresno Irrigation District | 28.50 | 0 | 0 | 0 | 419 | 4602 | 7359 | 1736 | 0 | 0 | 8934 | 662 | 17429 | 41141 |
| Murphy Slough Association | 28.50 | 0 | 0 | 0 | 0 | 2000 | 1176 | 0 | 0 | 0 | 0 | 0 | 0 | 3176 |
| Kings River Water Association | 28.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Empire Westside Irrigation District | 28.50 | 0 | 0 | 0 | 0 | 2000 | 1000 | 0 | 0 | 0 | 0 | 0 | 0 | 3000 |
| Kings County Water District | 28.50 71.29 | 0 | 0 | 0 | 0 | 23750 | 6004 | 8140 | 0 | 0 | 0 | 4326 | 11592 | 53812 |
| Orange Cove Irrigation District | 35.87 53.31 | 2305 | 827 | 0 | 0 | 0 | 0 | 0 | 1656 | 4163 | 6306 | 6669 | 4580 | 26506 |
| City of Orange Cove | 43.44 | 40 | 21 | 0 | 0 | 0 | 7 | 7 | 28 | 43 | 59 | 60 | 40 | 305 |
| Stone Corral Irrigation District | 56.90 64.40 | 373 | 167 | 0 | 0 | 0 | 141 | 1 | 359 | 1085 | 2196 | 2180 | 1049 | 7551 |
| Ivanhoe Irrigation District | 65.04 68.13 | 1031 | 732 | 0 | 200 | 91 | 60 | 1041 | 2170 | 1551 | 2545 | 2991 | 2210 | 14622 |
| Tulare Irrigation District | 68.14 71.29 | 0 | 0 | 0 | 1716 | 23530 | 16056 | 8749 | 0 | 2271 | 18224 | 27682 | 20376 | 118604 |
| Lakeside Irrigation Water District | 69.42 | 0 | 0 | 0 | 1246 | 4050 | 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 7297 |
| Kaweah-Delta Water Conservation District | 69.08 71.29 | 0 | 0 | 0 | 516 | 6062 | 5978 | 22626 | 0 | 13785 | 25466 | 36903 | 34943 | 146279 |
| Exeter Irrigation District | 72.52 79.24 | 603 | 282 | 0 | 0 | 180 | 266 | 131 | 2392 | 4796 | 5149 | 4786 | 2985 | 21570 |
| Lewis Creek Water District | 81.54 | 14 | 17 | 0 | 0 | 0 | 0 | 0 | 26 | 190 | 375 | 208 | 198 | 1028 |
| Lindsay-Strathmore Irrigation District | 85.56 | 2684 | 1662 | 12 | 0 | 52 | 83 | 52 | 1720 | 3838 | 4973 | 5052 | 3709 | 23837 |
| Lindmore Irrigation District | 86.17 91.12 | 2759 | 1220 | 0 | 0 | 476 | 1551 | 175 | 3406 | 7920 | 10394 | 9965 | 6252 | 44118 |
| Porterville Irrigation District | 93.93 98.62 | 252 | 0 | 0 | 20 | 1480 | 3919 | 2711 | 1434 | 2767 | 3812 | 3301 | 1555 | 21251 |
| Lower Tule Irrigation District | 95.67 98.62 | 0 | 0 | 0 | 0 | 3260 | 13274 | 10441 | 8406 | 17820 | 38682 | 24395 | 26799 | 143077 |
| Tea Pot Dome | 99.35 | 415 | 228 | 0 | 0 | 0 | 15 | 0 | 234 | 714 | 901 | 980 | 649 | 4136 |
| Saucelito Irrigation District | 98.62 107.37 | 700 | 202 | 0 | 0 | 359 | 4725 | 1283 | 2874 | 6833 | 10447 | 9929 | 4679 | 42031 |
| Cloer Community Service District | 101.60 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 22 | 22 | 22 | 24 | 7 | 102 |
| Terra Bella Irrigation District | 102.65 | 1565 | 347 | 0 | 0 | 0 | 0 | 0 | 530 | 2273 | 3072 | 3360 | 2216 | 13363 |
| Pixley Irrigation District | 102.69 | 0 | 0 | 0 | 0 | 1295 | 2499 | 109 | 0 | 3729 | 8688 | 8694 | 5113 | 30127 |
| Delano-Earlimart Irrigation District | 109.48 118.45 | 3701 | 1313 | 0 | 0 | 4614 | 21582 | 6034 | 12482 | 27299 | 34475 | 29068 | 13403 | 153971 |
| Alpaugh Irrigation District | 112.96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 956 | 1480 | 1482 | 1353 | 5271 |
| Southern San Joaquin Municipal Utility District | 117.44 127.97 | 4552 | 1345 | 0 | 0 | 3201 | 17707 | 2555 | 10294 | 18302 | 28685 | 26728 | 13242 | 126611 |
| Rag Gulch Water District | 117.96 | 0 | 0 | 0 | 0 | 0 | 12 | 1067 | 631 | 2154 | 2333 | 1999 | 1263 | 9459 |
| Kern County Water Agency | 130.03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3065 | 3221 | 2678 | 2975 | 11939 |
| Shafter-Wasco Irrigation District | 134.42 137.17 | 1747 | 885 | 0 | 0 | 1698 | 6982 | 770 | 3610 | 8356 | 10471 | 10154 | 5441 | 50114 |
| Pacific Gas & Electric Company | 150.83 | 0 | 506 | 0 | 0 | 0 | 0 | 631 | 1135 | 910 | 324 | 0 | 0 | 3506 |
| Rosedale Rio Bravo Water Storage District | 151.0 | 0 | 1870 | 0 | 0 | 3001 | 4501 | 6750 | 0 | 0 | 750 | 0 | 0 | 16872 |
| Buena Vista Water Storage District | 151.80 | 0 | 0 | 0 | 0 | 6000 | 2501 | 0 | 0 | 0 | 0 | 0 | 0 | 8501 |
| Arvin-Edison Water Storage District | 151.80 | 9309 | 4681 | 0 | 0 | 266 | 9539 | 8596 | 4118 | 3090 | 4987 | 6651 | 8083 | 59320 |
| Total | | 32238 | 16421 | 96 | 7005 | 140924 | 146481 | 104321 | 57987 | 138660 | 237995 | 260112 | 233643 | 1375883 |

Data furnished by the U. S. Bureau of Reclamation. Acre-feet values are published as received and not rounded to the criteria used by the Department of Water Resources. Deliveries include operational spill.

a Includes deliveries to City of Fresno.
b Includes water transported from Wutchumna Ditch.
c Includes deliveries to Glibreath Brothers Duck Club.

TABLE B-9
IMPORTS AND EXPORTS
October 1966 through September 1967

| WATER USER | | | | | | | | | | | | | TOTAL |
|------------------------------------|--------|-------|-------|-------|--|--------|-------|--------|--------|--------|--------|--------|---------|
| | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | |
| Delta-Mendota Canal | | | | | Imports from Delta ^a | | | | | | | | |
| Total acre-feet | 103139 | 49888 | 21795 | 39708 | 37484 | 116260 | 67387 | 110122 | 116407 | 150032 | 247989 | 142044 | 1202255 |
| Average cubic feet per second | 1677 | 838 | 354 | 646 | 675 | 1891 | 1132 | 1791 | 1956 | 2440 | 4033 | 2387 | 1661 |
| Monthly use in percent of seasonal | 8.6 | 4.1 | 1.8 | 3.3 | 3.1 | 9.7 | 5.6 | 9.2 | 9.7 | 12.5 | 20.6 | 11.8 | |
| City and County of San Francisco | | | | | Exports from Tuolumne River ^b | | | | | | | | |
| Total acre-feet | 20955 | 20424 | 17445 | 15507 | 7462 | 15594 | 11433 | 18962 | 18646 | 20944 | 20939 | 20121 | 208432 |
| Average cubic feet per second | 341 | 343 | 284 | 252 | 134 | 254 | 192 | 308 | 313 | 341 | 341 | 338 | 288 |
| Monthly use in percent of seasonal | 10.1 | 9.8 | 8.4 | 7.4 | 3.6 | 7.5 | 5.5 | 9.1 | 8.9 | 10.0 | 10.0 | 9.7 | |

Data for Delta-Mendota Canal furnished by U. S. Bureau of Reclamation; data for Tuolumne River exports furnished by City and County of San Francisco. Acre-feet values are published as received and not rounded to the criteria used by the Department of Water Resources.

- a. Does not include water diverted to South Bay Aqueduct.
b. Includes water delivered to Lawrence Radiation Laboratory.

TABLE B-10

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|--------------|
| 1967 | C03110 | TULARE LAKE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|-------------|-------------|--------|--------|--------|------|--------|--------|--------|--------|--------|-------------|-----|
| 1 | | | DRY | NR | 181.57 | NR | DRY | 179.02 | 183.10 | 181.14 | 179.45 | | 1 |
| 2 | | | DRY | 182.65 | 181.48 | NR | DRY | 179.17 | 183.08 | 181.04 | 179.30 | | 2 |
| 3 | | | DRY | NR | 181.43 | NR | DRY | 179.29 | 183.02 | 181.08 | NR | | 3 |
| 4 | | | DRY | NR | 181.37 | NR | DRY | 179.48 | NR | 181.15 | NR | | 4 |
| 5 | | | DRY | NR | NR | NR | DRY | 179.64 | NR | 181.45 | 178.50 | | 5 |
| 6 | | | DRY | 182.65 | 181.22 | NR | DRY | 179.90 | 182.88 | 181.62 | NR | | 6 |
| 7 | | | DRY | 182.62 | 181.14 | NR | DRY | 180.17 | 182.88 | 181.83 | 178.30 | | 7 |
| 8 | | | NR | NR | NR | NR | DRY | 180.38 | 182.86 | 181.98 | NR | | 8 |
| 9 | | | NR | 182.58 | 180.96 | NR | DRY | 180.58 | 182.82 | 181.96 | 178.00 | | 9 |
| 10 | | | NR | NR | 180.87 | NR | DRY | 180.80 | 182.79 | 181.92 | NR | | 10 |
| 11 | | | NR | 182.50 | 180.77 | NR | DRY | 181.00 | 182.74 | 181.75 | NR | | 11 |
| 12 | | | NR | 182.40 | NR | NR | DRY | 181.33 | 182.70 | 181.67 | NR | | 12 |
| 13 | | | NR | 182.33 | 180.63 | NR | DRY | 181.68 | 182.64 | 181.50 | NR | | 13 |
| 14 | | | NR | 182.27 | NR | NR | DRY | 182.03 | 182.56 | 181.35 | NR | | 14 |
| 15 | D R Y | D R Y | NR | NR | 180.46 | DRY | DRY | 182.44 | 182.47 | 181.25 | DRY | D R Y | 15 |
| 16 | | | NR | 182.14 | 180.34 | DRY | DRY | 182.81 | 182.44 | NR | DRY | | 16 |
| 17 | | | NR | 182.07 | 180.26 | DRY | DRY | 182.97 | NR | 181.05 | DRY | | 17 |
| 18 | | | 182.30 | 182.00 | 180.17 | DRY | DRY | 183.13 | NR | 180.95 | DRY | | 18 |
| 19 | | | 182.45 | 181.98 | NR | DRY | DRY | 183.31 | 182.17 | 180.85 | DRY | | 19 |
| 20 | | | 182.60 | NR | NR | DRY | DRY | 183.48 | 182.12 | 180.80 | DRY | | 20 |
| 21 | | | 182.75 | NR | 179.96 | DRY | DRY | 183.56 | 182.01 | 180.67 | DRY | | 21 |
| 22 | | | 182.90 | NR | 179.87 | DRY | DRY | 183.58 | 181.94 | 180.58 | DRY | | 22 |
| 23 | | | 182.92 | 181.98 | 179.65 | DRY | DRY | 183.53 | 181.83 | NR | DRY | | 23 |
| 24 | | | 182.88 | 181.88 | 179.53 | DRY | DRY | 183.50 | 181.77 | 180.49 | DRY | | 24 |
| 25 | | | 182.82 | 181.92 | 179.43 | DRY | DRY | 183.47 | NR | NR | DRY | | 25 |
| 26 | | | 182.75 | 181.88 | NR | DRY | DRY | 183.40 | 181.60 | 180.38 | DRY | | 26 |
| 27 | | | 182.68 | 181.81 | 179.23 | DRY | DRY | 183.33 | 181.48 | 180.28 | DRY | | 27 |
| 28 | | | 182.68 | NR | 179.17 | DRY | DRY | 183.28 | 181.40 | 180.15 | DRY | | 28 |
| 29 | | | 182.64 | NR | | DRY | 178.72 | 183.18 | 181.30 | NR | DRY | | 29 |
| 30 | | | 182.62 | 181.59 | | DRY | 178.87 | 183.17 | 181.20 | NR | DRY | | 30 |
| 31 | | | 182.67 | NR | | DRY | | 183.14 | | NR | DRY | | 31 |

CREST STAGES

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|------|------|-------|------|------|-------|------|------|-------|------|------|-------|
| | | | | | | | | | | | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|-------------------------------|-------------------|----------|---------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 30 03 10 | 119 49 35 | | | 196.8 | 6-28-41 | | FEB 37-DATE | 1937 | | 0.00 | USCGS |

Station located 2.2 miles southwest of Chatom Ranch, 6 miles southwest of Corcoran on south end of El Rico Bridge. Tulare Lake receives water from Kings, Kaweah, and Tule Rivers during high-water periods and occasionally from Kern River, Deer Creek, and several small intermittent streams. Elevation at lowest point of lake bed is now about 177 feet. U. S. Geological Survey datum. Records furnished by Tulare Lake Basin Water Storage District and the Boswell Company. During this water year the inundated area of the lake basin was confined by levee systems to an area of 27 sections or approximately 17,300 acres.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|--------------------------------|
| 1967 | B07885 | SAN JOAQUIN RIVER BELOW FRIANT |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|------|------|------|------|------|------|------|------|------|------|------|-------|-----|
| 1 | 2.28 | 2.26 | 2.00 | 1.98 | 7.97 | 1.72 | 2.01 | 9.60 | 9.59 | 6.02 | 2.35 | 2.25 | 1 |
| 2 | 2.28 | 2.26 | 2.02 | 1.98 | 7.91 | 1.72 | 1.95 | 9.60 | 9.59 | 5.91 | 2.22 | 2.25 | 2 |
| 3 | 2.28 | 2.27 | 2.01 | 1.99 | 7.87 | 1.72 | 1.90 | 9.58 | 9.59 | 6.06 | 2.20 | 2.25 | 3 |
| 4 | 2.28 | 2.27 | 2.01 | 1.99 | 7.61 | 1.72 | 1.93 | 9.61 | 9.60 | 6.83 | 2.30 | 2.25 | 4 |
| 5 | 2.28 | 2.27 | 2.03 | 1.99 | 6.86 | 1.71 | 2.18 | 9.63 | 9.61 | 7.15 | 2.29 | 2.25 | 5 |
| 6 | 2.28 | 2.27 | 2.08 | 1.99 | 6.02 | 1.71 | 1.98 | 9.61 | 9.59 | 7.15 | 2.29 | 2.24 | 6 |
| 7 | 2.27 | 2.28 | 2.00 | 1.99 | 5.04 | 1.78 | 2.39 | 9.62 | 9.60 | 7.16 | 2.28 | 2.24 | 7 |
| 8 | 2.27 | 2.24 | 1.88 | 1.99 | 3.06 | 1.79 | 2.23 | 9.60 | 9.63 | 7.02 | 2.28 | 2.23 | 8 |
| 9 | 2.27 | 2.22 | 1.84 | 1.99 | 1.79 | 1.78 | 2.13 | 9.59 | 9.53 | 6.45 | 2.28 | 2.23 | 9 |
| 10 | 2.27 | 2.22 | 1.83 | 1.99 | 1.78 | 1.87 | 2.13 | 9.58 | 9.33 | 5.43 | 2.28 | 2.23 | 10 |
| 11 | 2.27 | 2.22 | 1.82 | 1.99 | 1.77 | 1.99 | 4.32 | 9.60 | 9.15 | 3.74 | 2.29 | 2.23 | 11 |
| 12 | 2.27 | 2.22 | 1.82 | 1.99 | 1.76 | 2.12 | 6.00 | 9.61 | 9.05 | 2.55 | 2.31 | 2.22 | 12 |
| 13 | 2.27 | 2.22 | 1.82 | 1.99 | 1.90 | 2.03 | 5.99 | 9.60 | 8.86 | 2.55 | 2.30 | 2.22 | 13 |
| 14 | 2.29 | 2.18 | 1.82 | 1.99 | 2.39 | 2.00 | 6.51 | 9.60 | 8.75 | 2.55 | 2.30 | 2.22 | 14 |
| 15 | 2.32 | 2.14 | 1.81 | 2.00 | 2.39 | 1.88 | 6.62 | 9.62 | 8.54 | 2.55 | 2.30 | 2.22 | 15 |
| 16 | 2.32 | 2.16 | 1.80 | 2.00 | 2.04 | 2.02 | 6.88 | 9.60 | 8.41 | 2.55 | 2.29 | 2.23 | 16 |
| 17 | 2.32 | 2.16 | 1.80 | 2.01 | 1.73 | 1.98 | 7.04 | 9.60 | 8.21 | 2.55 | 2.29 | 2.23 | 17 |
| 18 | 2.32 | 2.16 | 1.80 | 2.00 | 1.72 | 1.89 | 7.66 | 9.61 | 8.11 | 2.59 | 2.28 | 2.20 | 18 |
| 19 | 2.32 | 2.10 | 1.80 | 2.00 | 1.71 | 1.86 | 8.54 | 9.60 | 7.89 | 2.51 | 2.29 | 2.13 | 19 |
| 20 | 2.32 | 2.03 | 1.80 | 2.01 | 1.71 | 1.85 | 9.50 | 9.62 | 7.78 | 2.45 | 2.29 | 2.13 | 20 |
| 21 | 2.29 | 2.01 | 1.80 | 2.02 | 1.71 | 1.83 | 9.48 | 9.62 | 7.55 | 2.61 | 2.28 | 2.13 | 21 |
| 22 | 2.26 | 2.00 | 1.91 | 2.09 | 1.71 | 1.82 | 9.29 | 9.62 | 7.44 | 2.52 | 2.27 | 2.13 | 22 |
| 23 | 2.26 | 1.99 | 1.98 | 2.09 | 1.71 | 1.82 | 9.40 | 9.62 | 7.20 | 2.72 | 2.27 | 2.12 | 23 |
| 24 | 2.26 | 1.99 | 1.99 | 2.10 | 1.71 | 1.81 | 9.30 | 9.60 | 6.83 | 2.76 | 2.27 | 2.11 | 24 |
| 25 | 2.26 | 1.99 | 1.99 | 2.13 | 1.93 | 1.80 | 9.40 | 9.59 | 6.41 | 2.54 | 2.27 | 2.11 | 25 |
| 26 | 2.25 | 1.99 | 1.99 | 1.95 | 1.82 | 1.79 | 9.48 | 9.59 | 6.30 | 2.56 | 2.27 | 2.11 | 26 |
| 27 | 2.25 | 1.99 | 1.99 | 1.92 | 1.76 | 1.79 | 9.53 | 9.59 | 6.32 | 2.55 | 2.26 | 2.11 | 27 |
| 28 | 2.25 | 1.99 | 1.99 | 1.91 | 1.73 | 1.80 | 9.54 | 9.59 | 6.34 | 2.48 | 2.26 | 2.08 | 28 |
| 29 | 2.25 | 1.99 | 1.99 | 2.02 | | 1.87 | 9.56 | 9.60 | 6.32 | 2.40 | 2.26 | 2.05 | 29 |
| 30 | 2.25 | 1.99 | 1.99 | 2.35 | | 1.81 | 9.55 | 9.59 | 6.31 | 2.40 | 2.26 | 2.05 | 30 |
| 31 | 2.25 | | 1.99 | 6.06 | | 2.03 | | 9.59 | | 2.40 | 2.26 | | 31 |

CREST STAGES

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|---------|------|-------|---------|------|-------|--------|------|-------|------|------|-------|
| 1-31-67 | 1900 | 8.04 | 5- 4-67 | 1900 | 9.65 | 6-7-67 | 2000 | 9.63 | | | |
| 4-21-67 | 2400 | 9.62 | 5-13-67 | 1830 | 9.64 | 7-7-67 | 2100 | 7.17 | | | |
| 5- 1-67 | 2200 | 9.63 | 5-23-67 | 1100 | 9.66 | | | | | | |

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|-------------------------------|-------------------|----------|----------|------------------|---------------------|---------------|-----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 36 59 04 | 119 43 24 | SW 7 11S 21E | 77200 | 23.8 | 12-11-37 | OCT 07-DATE | | 1938 | --- | 294.00 | USGS |
| Station located 2 miles downstream from Friant Dam and 1.5 miles downstream from Cottonwood Creek. Flow regulated by Millerton Lake beginning in 1944, and by other upstream reservoirs. Records furnished by U. S. Geological Survey. Drainage area is 1,675 square miles. | | | | | | | | | | | |

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-------------------------------------|
| 1967 | B07575 | SAN JOAQUIN RIVER ABOVE SAND SLOUGH |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|--------|------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|-----|
| 1 | 100.40 | | NF | 100.64 | 105.80 | 101.20 | 100.92 | 110.42 | 109.35 | 106.39 | 100.67 | NF | 1 |
| 2 | 100.37 | | NF | 100.61 | 104.61 | 100.93 | 102.88 | 110.38 | 109.39 | 106.59 | 100.64 | 100.42 | 2 |
| 3 | NF | | NF | 100.59 | 103.96 | 100.65 | 103.36 | 110.36 | 109.41 | 106.85 | 100.67 | 100.56 | 3 |
| 4 | NF | | NF | 100.52 | 105.80 | 100.64 | 103.08 | 110.32 | 109.45 | 106.88 | 100.56 | 100.63 | 4 |
| 5 | NF | | NF | 100.44 | 106.94 | 100.67 | 102.90 | 110.21 | 109.44 | 107.02 | 100.54 | 100.65 | 5 |
| 6 | NF | | NF | 100.38 | 107.28 | 100.94 | 104.87 | 110.20 | 109.44 | 107.52 | 100.48 | 100.69 | 6 |
| 7 | NF | | 105.38 | NF | 107.31 | 100.98 | 104.40 | 110.08 | 109.49 | 107.89 | 100.50 | 100.78 | 7 |
| 8 | 100.47 | | 105.26 | NF | 106.48 | 100.78 | 106.02 | 109.95 | 109.51 | 107.88 | 100.47 | 100.83 | 8 |
| 9 | 100.55 | | 104.47 | NF | 105.02 | 100.59 | 105.56 | 109.84 | 109.55 | 107.77 | 100.56 | 100.90 | 9 |
| 10 | 100.46 | | 103.89 | NF | 103.79 | 100.54 | 104.90 | 109.70 | 109.41 | 107.62 | 100.52 | 100.85 | 10 |
| 11 | 100.39 | | 103.86 | NF | 103.25 | 100.53 | 104.73 | 109.66 | 109.24 | 106.75 | 100.49 | 100.88 | 11 |
| 12 | 100.36 | N | 103.75 | NF | 102.97 | 100.56 | 105.58 | 109.66 | 109.14 | 105.30 | 100.42 | 100.84 | 12 |
| 13 | NF | O | 103.31 | NF | 102.43 | 101.34 | 105.50 | 109.62 | 109.04 | 104.65 | 100.46 | 100.82 | 13 |
| 14 | NF | | 102.80 | NF | 102.16 | 104.84 | 105.42 | 109.48 | 108.86 | 104.36 | 100.46 | 100.75 | 14 |
| 15 | NF | | 102.46 | NF | 102.06 | 104.60 | 105.55 | 109.38 | 108.70 | 104.50 | 100.43 | 100.83 | 15 |
| 16 | NF | F | 102.16 | NF | 101.85 | 103.48 | 106.62 | 109.30E | 108.50 | 104.88 | 100.41 | 100.49 | 16 |
| 17 | NF | L | 101.90 | NF | 101.65 | 104.94 | 107.28 | 109.28E | 108.26 | 104.35 | 100.43 | NF | 17 |
| 18 | NF | O | 101.71 | NF | 101.55 | 104.83 | 107.87 | 109.24E | 108.16 | 103.82 | NF | 100.74 | 18 |
| 19 | NF | W | 101.58 | NF | 101.44 | 103.65 | 108.55 | 109.18E | 108.05 | 104.48 | 100.38 | 101.06 | 19 |
| 20 | NF | | 101.36 | NF | 101.36 | 102.78 | 109.07 | 109.16 | 107.92 | 104.43 | 100.51 | 101.16 | 20 |
| 21 | NF | | 101.15 | NF | 101.34 | 102.01 | 109.20 | 109.16 | 107.81 | 103.04 | 100.67 | 101.23 | 21 |
| 22 | NF | | 100.97 | NF | 101.27 | 101.25 | 109.73 | 109.15 | 107.86 | 102.67 | 100.65 | 101.29 | 22 |
| 23 | NF | | 100.84 | 100.57 | 101.20 | 100.53 | 110.23 | 109.09 | 107.77 | 102.33 | 100.54 | 101.35 | 23 |
| 24 | NF | | 100.75 | 101.41 | 101.17 | NF | 110.40 | 109.15 | 107.64 | 102.13 | 100.56 | 101.44 | 24 |
| 25 | NF | | 100.65 | 101.68 | 101.38 | 100.57 | 110.44 | 109.14 | 107.43 | 101.86 | 100.56 | 101.28 | 25 |
| 26 | NF | | 100.58 | 103.80 | 101.50 | 100.61 | 110.48 | 109.12 | 107.13 | 101.40 | 100.56 | 100.98 | 26 |
| 27 | NF | | 100.51 | 102.95 | 101.42 | 100.57 | 110.36 | 109.11 | 106.66 | 100.88 | 100.62 | 100.67 | 27 |
| 28 | NF | | 100.57 | 102.03 | 101.35 | 100.63 | 110.31 | 109.15 | 106.18 | 100.96 | 100.66 | 100.81 | 28 |
| 29 | NF | | 100.64 | 102.04 | | 100.65 | 110.36 | 109.19 | 106.04 | 100.88 | 100.73 | 101.24 | 29 |
| 30 | NF | | 100.68 | 103.02 | | 100.79 | 110.42 | 109.30 | 106.25 | 100.69 | 100.66 | 101.38 | 30 |
| 31 | NF | | 100.67 | 105.27 | | 100.89 | | 109.34 | | 100.67 | 100.48 | | 31 |

CREST STAGES

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|----------|------|--------|---------|------|--------|---------|------|--------|---------|------|--------|
| 12- 7-66 | 1430 | 107.15 | 3-14-67 | 0600 | 105.17 | 4-26-67 | 0900 | 110.51 | 7- 8-67 | 0600 | 107.92 |
| 1-31-67 | 2100 | 106.70 | 3-17-67 | 1500 | 106.36 | 4-30-67 | 1030 | 110.45 | | | |
| 2- 7-67 | 0600 | 107.44 | 4- 8-67 | 1400 | 106.40 | 6- 4-67 | 1000 | 109.47 | | | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | |
|---|-----------|-------------------------------|-------------------|----------|---------|------------------|---------------------|---------------|----|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | |
| 37 06 36 | 120 35 24 | NE31 9S 13E | | 110.51 | 4-26-67 | OCT 61-SEP 62 | OCT 62-DATE | 1961 | | 0.00 USCGS |
| Station located 5 miles northwest of Santa Rita Bridge and 5 miles west of El Nido on left bank of the San Joaquin River .5 mile above confluence with Eastside Bypass. | | | | | | | | | | |

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|----------------------------------|
| 1967 | B07400 | SAN JOAQUIN RIVER NEAR STEVINSON |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 1 | 60.67 | 60.33 | 60.32 | 60.76 | 70.02 | 61.35 | 61.44 | 74.67 | 73.58 | 67.43 | 63.21 | 63.52 | 1 |
| 2 | 60.64 | 60.33 | 60.34 | 60.73 | 70.59 | 61.31 | 61.42 | 74.63 | 73.59 | 67.54 | 63.18 | 63.48 | 2 |
| 3 | 60.64 | 60.33 | 60.34 | 60.69 | 69.27 | 61.24 | 63.86 | 74.60 | 73.62 | 67.68 | 63.08 | 63.48 | 3 |
| 4 | 60.63 | 60.33 | 60.35 | 60.65 | 68.23 | 61.13 | 64.92 | 74.61 | 73.68 | 67.82 | 63.03 | 63.57 | 4 |
| 5 | 60.58 | 60.32 | 60.63 | 60.77 | 68.74 | 61.08 | 64.65 | 74.57 | 73.72 | 67.83 | 63.14 | 63.71 | 5 |
| 6 | 60.56 | 60.34 | 60.96 | 60.73 | 69.66 | 61.05 | 65.11 | 74.49 | 73.70 | 67.95 | 63.17 | 63.77 | 6 |
| 7 | 60.56 | 60.34 | 63.81 | 60.92 | 70.18 | 61.01 | 67.44 | 74.47 | 73.71 | 68.66 | 63.25 | 63.69 | 7 |
| 8 | 60.59 | 60.33 | 68.29 | 61.01 | 70.25 | 61.02 | 68.27 | 74.36 | 73.71 | 69.58 | 63.42 | 63.49 | 8 |
| 9 | 60.66 | 60.32 | 69.01 | 60.89 | 69.49 | 61.00 | 70.01 | 74.27 | 73.70 | 69.82 | 63.39 | 63.47 | 9 |
| 10 | 60.56 | 60.32 | 67.73 | 60.78 | 67.97 | 60.98 | 70.04 | 74.18 | 73.81 | 69.95 | 63.62 | 63.49 | 10 |
| 11 | 60.52 | 60.32 | 66.47 | 60.71 | 66.28 | 61.00 | 69.25 | 74.09 | 73.70 | 69.62 | 63.64 | 63.51 | 11 |
| 12 | 60.48 | 60.32 | 65.38 | 60.73 | 65.14 | 61.11 | 69.45 | 74.08 | 73.47 | 67.99 | 63.62 | 63.56 | 12 |
| 13 | 60.42 | 60.32 | 64.65 | 60.72 | 64.57 | 61.31 | 70.45 | 74.10 | 73.26 | 66.49 | 63.58 | 63.65 | 13 |
| 14 | 60.42 | 60.31 | 64.05 | 60.76 | 64.11 | 64.45 | 70.14 | 74.07 | 73.03 | 65.84 | 63.62 | 63.56 | 14 |
| 15 | 60.39 | 60.31 | 63.47 | 60.71 | 63.77 | 68.10 | 69.44 | 73.95 | 72.77 | 65.15 | 63.51 | 63.59 | 15 |
| 16 | 60.38 | 60.31 | 62.87 | 60.69 | 63.44 | 68.26 | 69.13 | 73.80 | 72.44 | 65.40 | 63.44 | 63.62 | 16 |
| 17 | 60.39 | 60.32 | 62.33 | 60.68 | 62.86 | 67.66 | 69.73 | 73.69 | 72.02 | 65.69 | 63.62 | 63.68 | 17 |
| 18 | 60.39 | 60.32 | 61.85 | 60.60 | 62.45 | 68.99 | 70.62 | 73.55 | 71.54 | 65.12 | 63.15 | 63.77 | 18 |
| 19 | 60.38 | 60.33 | 61.50 | 60.53 | 62.18 | 68.91 | 71.50 | 73.43 | 71.23 | 64.74 | 63.07 | 63.97 | 19 |
| 20 | 60.37 | 60.38 | 61.33 | 60.52 | 61.96 | 67.37 | 72.95 | 73.36 | 70.94 | 65.26 | 63.09 | 63.86 | 20 |
| 21 | 60.38 | 60.35 | 61.20 | 60.58 | 61.80 | 65.99 | 74.18 | 73.36 | 70.42 | 65.08 | 63.03 | 63.61 | 21 |
| 22 | 60.38 | 60.33 | 61.09 | 60.62 | 61.68 | 64.63 | 74.39 | 73.34 | 70.00 | 64.32 | 62.99 | 63.47 | 22 |
| 23 | 60.37 | 60.32 | 61.00 | 60.63 | 61.61 | 63.84 | 74.73 | 73.35 | 69.95 | 63.95 | 62.96 | 63.53 | 23 |
| 24 | 60.36 | 60.33 | 60.92 | 60.82 | 61.52 | 63.27 | 74.91 | 73.21 | 69.86 | 63.90 | 63.01 | 63.63 | 24 |
| 25 | 60.34 | 60.32 | 60.85 | 61.49 | 61.45 | 62.78 | 74.97 | 73.24 | 69.59 | 63.98 | 63.09 | 63.84 | 25 |
| 26 | 60.34 | 60.33 | 60.76 | 63.55 | 61.39 | 62.43 | 75.00 | 73.22 | 69.28 | 63.72 | 63.24 | 63.72 | 26 |
| 27 | 60.34 | 60.32 | 60.71 | 65.30 | 61.38 | 62.19 | 74.92 | 73.19 | 68.82 | 63.51 | 63.40 | 63.67 | 27 |
| 28 | 60.34 | 60.35 | 60.69 | 65.10 | 61.40 | 62.01 | 74.69 | 73.19 | 68.16 | 63.39 | 63.44 | 63.75 | 28 |
| 29 | 60.34 | 60.34 | 60.86 | 64.13 | | 61.80 | 74.69 | 73.26 | 67.49 | 63.33 | 63.55 | 63.66 | 29 |
| 30 | 60.33 | 60.32 | 60.87 | 64.52 | | 61.62 | 74.69 | 73.33 | 67.31 | 63.29 | 63.44 | 63.68 | 30 |
| 31 | 60.33 | | 60.84 | 67.04 | | 61.47 | | 73.46 | | 63.27 | 63.49 | | 31 |

CREST STAGES

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|---------|------|-------|---------|------|-------|------|------|-------|------|------|-------|
| 12-9-66 | 0000 | 69.83 | 4-13-67 | 1400 | 70.51 | | | | | | |
| 2-2-67 | 0400 | 70.82 | 4-26-67 | 0820 | 75.00 | | | | | | |
| 3-18-67 | 2300 | 69.46 | 7-10-67 | 2100 | 70.43 | | | | | | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|--|-----------|-------------------------------|-------------------|----------|---------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 17 42 | 120 51 00 | 26 7S 10E | 13300 | 75.00 | 4-26-67 | OCT 61-DATE | MAY 61-SEP 61 | 1961 | | 0.00 | USCGS |
| Station located on bridge 2.3 miles south of Stevinson on Lander Avenue. | | | | | | | | | | | |

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|--|
| 1967 | B07375 | SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 1 | 54.46 | 54.31 | 54.91 | 55.46 | 62.00 | 55.86 | 56.52 | 66.45 | 65.49 | 61.97 | 56.45 | 56.64 | 1 |
| 2 | 54.49 | 54.15 | 54.89 | 55.44 | 63.01 | 55.76 | 56.66 | 66.42 | 65.53 | 62.14 | 56.49 | 56.57 | 2 |
| 3 | 54.47 | 54.06 | 55.02 | 55.42 | 62.80 | 55.76 | 57.38 | 66.35 | 65.56 | 62.28 | 56.37 | 56.48 | 3 |
| 4 | 54.52 | 54.04 | 55.21 | 55.40 | 61.90 | 55.73 | 58.58 | 66.34 | 65.59 | 62.42 | 56.36 | 56.46 | 4 |
| 5 | 54.54 | 54.02 | 55.43 | 55.58 | 61.79 | 55.71 | 58.74 | 66.31 | 65.64 | 62.48 | 56.35 | 56.65 | 5 |
| 6 | 54.36 | 54.11 | 55.80 | 55.64 | 62.33 | 55.76 | 58.65 | 66.25 | 65.64 | 62.47 | 56.42 | 56.71 | 6 |
| 7 | 54.33 | 54.28 | 56.91 | 55.67 | 62.81 | 55.78 | 60.40 | 66.22 | 65.62 | 62.63 | 56.35 | 56.64 | 7 |
| 8 | 54.29 | 54.41 | 59.83 | 55.82 | 63.03 | 55.79 | 61.33 | 66.15 | 65.60 | 63.08 | 56.45 | 56.52 | 8 |
| 9 | 54.25 | 54.35 | 61.78 | 55.86 | 62.83 | 55.78 | 62.37 | 66.06 | 65.62 | 63.37 | 56.44 | 56.35 | 9 |
| 10 | 54.25 | 54.43 | 61.45 | 55.75 | 61.95 | 55.79 | 62.92 | 65.99 | 65.63 | 63.48 | 56.48 | 56.31 | 10 |
| 11 | 54.23 | 54.48 | 60.47 | 55.66 | 60.53 | 55.80 | 62.67 | 65.93 | 65.66 | 63.57 | 56.57 | 56.30 | 11 |
| 12 | 54.09 | 54.49 | 59.32 | 55.62 | 59.18 | 55.85 | 62.49 | 65.89 | 65.58 | 62.98 | 56.55 | 56.32 | 12 |
| 13 | 53.94 | 54.48 | 58.53 | 55.56 | 58.52 | 55.97 | 62.99 | 65.90 | 65.46 | 61.57 | 56.59 | 56.42 | 13 |
| 14 | 54.03 | 54.47 | 57.96 | 55.52 | 58.11 | 57.00 | 63.16 | 65.90 | 65.31 | 59.76 | 56.63 | 56.36 | 14 |
| 15 | 54.12 | 54.44 | 57.52 | 55.47 | 57.79 | 60.23 | 62.82 | 65.85 | 65.16 | 58.93 | 56.69 | 56.36 | 15 |
| 16 | 53.95 | 54.44 | 57.16 | 55.39 | 57.56 | 61.39 | 62.43 | 65.76 | 65.01 | 58.72 | 56.59 | 56.49 | 16 |
| 17 | 54.04 | 54.42 | 56.77 | 55.27 | 57.18 | 61.12 | 62.54 | 65.65 | 64.82 | 58.99 | 56.45 | 56.52 | 17 |
| 18 | 53.98 | 54.38 | 56.39 | 55.16 | 56.86 | 61.58 | 63.04 | 65.54 | 64.55 | 58.61 | 56.39 | 56.50 | 18 |
| 19 | 53.93 | 54.37 | 56.15 | 55.15 | 56.67 | 62.15 | 63.59 | 65.44 | 64.37 | 58.12 | 56.32 | 56.63 | 19 |
| 20 | 53.94 | 54.31 | 56.01 | 55.20 | 56.48 | 61.36 | 64.31 | 65.38 | 64.15 | 58.21 | 56.40 | 56.66 | 20 |
| 21 | 54.04 | 54.41 | 55.92 | 55.23 | 56.36 | 60.07 | 65.30 | 65.35 | 63.91 | 58.37 | 56.49 | 56.50 | 21 |
| 22 | 54.08 | 54.53 | 55.87 | 55.38 | 56.25 | 58.67 | 65.91 | 65.33 | 63.40 | 57.74 | 56.39 | 56.26 | 22 |
| 23 | 54.18 | 54.57 | 55.87 | 55.41 | 56.20 | 57.76 | 66.24 | 65.34 | 63.17 | 57.40 | 56.15 | 56.28 | 23 |
| 24 | 54.27 | 54.55 | 55.86 | 55.58 | 56.17 | 57.20 | 66.53 | 65.32 | 63.24 | 57.11 | 56.20 | 56.38 | 24 |
| 25 | 54.07 | 54.64 | 55.77 | 55.89 | 56.05 | 56.96 | 66.63 | 65.31 | 63.25 | 57.19 | 56.34 | 56.58 | 25 |
| 26 | 54.05 | 54.71 | 55.70 | 56.87 | 55.98 | 56.85 | 66.70 | 65.31 | 63.21 | 56.89 | 56.45 | 56.65 | 26 |
| 27 | 54.19 | 54.76 | 55.62 | 57.94 | 55.93 | 56.75 | 66.70 | 65.29 | 63.09 | 56.67 | 56.57 | 56.66 | 27 |
| 28 | 54.13 | 54.86 | 55.56 | 58.60 | 55.97 | 56.64 | 66.60 | 65.29 | 62.64 | 56.61 | 56.51 | 56.54 | 28 |
| 29 | 54.18 | 54.93 | 55.54 | 57.87 | | 56.63 | 66.45 | 65.32 | 62.17 | 56.56 | 56.43 | 56.37 | 29 |
| 30 | 54.27 | 54.93 | 55.53 | 57.76 | | 56.54 | 66.48 | 65.35 | 61.85 | 56.44 | 56.38 | 56.41 | 30 |
| 31 | 54.36 | | 55.49 | 59.34 | | 56.48 | | 65.41 | | 56.50 | 56.49 | | 31 |

CREST STAGES

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|----------|------|-------|---------|------|-------|------|------|-------|------|------|-------|
| 12- 9-66 | 1615 | 61.92 | 3-19-67 | 0800 | 62.24 | | | | | | |
| 2- 2-67 | 2045 | 63.12 | 4-27-67 | 0615 | 66.73 | | | | | | |
| 2- 8-67 | 1645 | 63.07 | 7-11-67 | 0230 | 63.67 | | | | | | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|---------------------------------|-------------------|----------|--------|------------------|---------------------|---------------|------|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 18 35 | 120 55 45 | | 5910a | 71.14 | 4-6-58 | MAR 37-DATE | | 1944 | 1957 | -3.73 | USCGS |
| | | | | 67.37b | | | | 1957 | 1959 | -3.77 | USCGS |
| | | | 18900c | 71.5 | 3-7-38 | | | 1959 | | 0.00 | USCGS |
| | | | | 67.7 d | | | | | | | |

Station located 30 feet below Fremont Ford Bridge, 4.5 miles west of Stevinson, 6.7 miles upstream from the Merced River. Records furnished by U. S. Geological Survey. Drainage area is approximately 8,090 square miles. Flow records are published in U. S. Geological Survey report "Surface Water Records of California".

a Maximum discharge of 5,910 cfs is only for San Joaquin River channel for the period 1944 to date.

b Reflects present datum.

c During periods of high flow (above stage of approximately 61 feet) some water bypasses the station through three overflow channels known as North, Middle, and South Mud Sloughs. Maximum discharge of 18,900 cfs is for the combined flow of the San Joaquin River and the three channels of Mud Slough. This information taken from Department of Water Resources Bulletin No. 16, Flood Flows and Stages, 1954-56.

d Reflects present datum.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-----------------------------|
| 1967 | B05170 | MERCED RIVER BELOW SNELLING |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|------|------|------|------|------|------|-------|-------|-------|-------|------|-------|-----|
| 1 | 5.27 | 5.28 | 5.48 | 5.30 | 5.61 | 5.34 | 5.38 | 11.43 | 11.00 | 13.68 | 8.75 | 7.45 | 1 |
| 2 | 5.30 | 5.31 | 5.47 | 5.28 | 5.39 | 5.71 | 5.38 | 11.28 | 10.91 | 13.65 | 7.78 | 6.42 | 2 |
| 3 | 5.26 | 5.36 | 5.52 | 5.28 | 5.30 | 5.39 | 5.39 | 11.38 | 11.08 | 13.63 | 7.59 | 6.35 | 3 |
| 4 | 5.22 | 5.33 | 5.49 | 5.29 | 5.24 | 5.28 | 6.05 | 11.43 | 11.10 | 13.64 | 7.28 | 6.39 | 4 |
| 5 | 5.38 | 5.30 | 5.59 | 5.30 | 5.22 | 5.22 | 5.86 | 11.50 | 9.43 | 12.87 | 7.72 | 6.55 | 5 |
| 6 | 5.40 | 5.37 | 6.28 | 5.27 | 5.21 | 5.20 | 5.75 | 11.45 | 8.51 | 13.27 | 7.82 | 6.61 | 6 |
| 7 | 5.29 | 5.41 | 6.05 | 5.25 | 5.33 | 5.20 | 6.85 | 11.40 | 8.14 | 12.75 | 7.77 | 6.68 | 7 |
| 8 | 5.24 | 5.44 | 5.69 | 5.23 | 5.36 | 5.25 | 6.45 | 11.42 | 8.19 | 12.85 | 7.27 | 6.59 | 8 |
| 9 | 5.22 | 5.44 | 5.46 | 5.22 | 5.36 | 5.50 | 6.20 | 11.47 | 8.37 | 12.80 | 7.46 | 6.29 | 9 |
| 10 | 5.23 | 5.41 | 5.31 | 5.22 | 5.35 | 5.51 | 6.19 | 11.44 | 10.45 | 12.76 | 7.61 | 6.30 | 10 |
| 11 | 5.24 | 5.41 | 5.21 | 5.20 | 5.35 | 5.58 | 7.30 | 11.30 | 11.05 | 12.61 | 7.63 | 6.44 | 11 |
| 12 | 5.45 | 5.42 | 5.19 | 5.20 | 5.38 | 5.62 | 6.97 | 11.37 | 8.78 | 9.42 | 7.27 | 6.57 | 12 |
| 13 | 5.43 | 5.44 | 5.19 | 5.20 | 5.39 | 6.10 | 6.77 | 11.39 | 8.37 | 8.55 | 7.54 | 6.44 | 13 |
| 14 | 5.51 | 5.44 | 5.18 | 5.20 | 5.36 | 6.45 | 6.76 | 11.35 | 8.36 | 8.85 | 7.66 | 6.22 | 14 |
| 15 | 5.53 | 5.40 | 5.17 | 5.20 | 5.34 | 5.98 | 6.78 | 10.79 | 8.60 | 8.83 | 7.52 | 6.23 | 15 |
| 16 | 5.52 | 5.35 | 5.47 | 5.21 | 5.32 | 6.42 | 6.76 | 9.95 | 8.59 | 7.88 | 7.47 | 6.21 | 16 |
| 17 | 5.54 | 5.38 | 5.50 | 5.22 | 5.31 | 6.66 | 6.56 | 9.09 | 10.73 | 7.50 | 7.40 | 6.27 | 17 |
| 18 | 5.55 | 5.33 | 5.43 | 5.22 | 5.33 | 5.73 | 7.14 | 9.33 | 10.98 | 7.75 | 7.43 | 6.30 | 18 |
| 19 | 5.54 | 5.32 | 5.44 | 5.23 | 5.34 | 5.84 | 7.60 | 9.49 | 8.99 | 7.87 | 7.46 | 6.28 | 19 |
| 20 | 5.55 | 5.37 | 5.44 | 5.23 | 5.33 | 5.95 | 9.27 | 9.51 | 8.72 | 7.81 | 7.46 | 6.31 | 20 |
| 21 | 5.54 | 5.37 | 5.34 | 5.23 | 5.28 | 5.93 | 10.67 | 9.44 | 8.42 | 8.01 | 7.57 | 6.27 | 21 |
| 22 | 5.52 | 5.47 | 5.32 | 5.25 | 5.27 | 5.76 | 10.91 | 9.97 | 10.56 | 7.63 | 7.63 | 6.13 | 22 |
| 23 | 5.46 | 5.47 | 5.42 | 5.25 | 5.29 | 5.67 | 10.87 | 10.86 | 12.26 | 7.72 | 7.74 | 6.25 | 23 |
| 24 | 5.37 | 5.40 | 5.46 | 5.42 | 5.42 | 5.55 | 11.18 | 10.89 | 12.94 | 7.62 | 7.74 | 6.13 | 24 |
| 25 | 5.32 | 5.39 | 5.42 | 5.66 | 5.40 | 5.84 | 11.55 | 10.87 | 13.18 | 7.62 | 7.77 | 6.15 | 25 |
| 26 | 5.34 | 5.40 | 5.40 | 5.46 | 5.41 | 5.73 | 11.57 | 10.73 | 13.75 | 7.45 | 7.80 | 6.21 | 26 |
| 27 | 5.36 | 5.38 | 5.36 | 5.37 | 5.40 | 5.36 | 11.47 | 10.81 | 11.81 | 7.71 | 7.78 | 6.13 | 27 |
| 28 | 5.38 | 5.39 | 5.32 | 5.33 | 5.37 | 5.53 | 11.40 | 10.83 | 12.36 | 7.57 | 7.83 | 6.10 | 28 |
| 29 | 5.34 | 5.40 | 5.37 | 5.37 | 5.37 | 5.52 | 11.50 | 10.83 | 13.70 | 7.55 | 7.87 | 6.05 | 29 |
| 30 | 5.29 | 5.50 | 5.35 | 5.91 | 5.45 | 5.45 | 11.49 | 10.87 | 13.70 | 7.62 | 7.53 | 6.06 | 30 |
| 31 | 5.28 | | 5.32 | 6.08 | 5.42 | 5.42 | | 10.78 | | 8.00 | 7.82 | | 31 |

CREST STAGES

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|---------|------|-------|---------|------|-------|---------|------|-------|---------|------|-------|
| 4-20-67 | 1145 | 10.66 | 6-5-67 | 1200 | 11.38 | 6-24-67 | 0600 | 13.11 | 6-29-67 | 1930 | 13.81 |
| 4-21-67 | 2230 | 11.31 | 6-11-67 | 0800 | 11.09 | 6-26-67 | 1730 | 13.88 | 7-4-67 | 1900 | 13.69 |
| 4-26-67 | 0600 | 11.72 | 6-18-67 | 0330 | 11.02 | 6-28-67 | 0945 | 13.71 | 7-6-67 | 0430 | 13.56 |

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|---------------------------------|-------------------|----------|--------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.O.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 30 06 | 120 27 03 | NE17 5S 14E | 14500 | 17.10 | 1-7-65 | NOV 58-DATE | | 1958 | | 0.00 | LOCAL |

Station located 0.2 mile downstream from Merced-Snelling highway bridge, 1.4 miles southwest of Snelling. Flow regulated by Exchequer powerplant and Lake McClure. Prior to November 1958, records available for a site 3.6 miles downstream. Altitude of gage is 221 feet (from U. S. Geological Survey topographic map).

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-------------------------|
| 1967 | B05155 | MERCED RIVER AT CRESSEY |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 1 | 9.96 | 10.04 | 10.11 | 10.07 | 11.94 | 10.07 | 10.10 | 17.73 | 16.73 | 21.49 | 13.17 | 12.07 | 1 |
| 2 | 9.94 | 10.03 | 10.15 | 10.06 | 10.99 | 10.04 | 10.06 | 17.56 | 16.81 | 21.51 | 12.63 | 11.33 | 2 |
| 3 | 9.94 | 10.03 | 10.20 | 10.05 | 10.62 | 10.02 | 10.08 | 17.49 | 16.83 | 21.47 | 12.12 | 10.71 | 3 |
| 4 | 10.01 | 10.03 | 10.32 | 10.00 | 10.44 | 10.05 | 10.08 | 17.43 | 17.00 | 21.33 | 11.73 | 10.52 | 4 |
| 5 | 10.03 | 10.02 | 10.37 | 9.98 | 10.32 | 10.02 | 10.27 | 17.72 | 16.72 | 20.68 | 11.70 | 10.50 | 5 |
| 6 | 10.10 | 10.02 | 10.79 | 9.97 | 10.22 | 9.96 | 11.01 | 17.67 | 14.44 | 20.65 | 12.12 | 10.44 | 6 |
| 7 | 10.27 | 10.03 | 12.40 | 9.97 | 10.17 | 9.93 | 12.82 | 17.64 | 13.68 | 20.00 | 12.22 | 10.49 | 7 |
| 8 | 10.17 | 10.02 | 11.31 | 9.96 | 10.13 | 9.94 | 12.87 | 17.51 | 13.55 | 19.80 | 11.95 | 10.56 | 8 |
| 9 | 10.07 | 10.04 | 10.89 | 9.95 | 10.19 | 9.90 | 11.62 | 17.70 | 13.64 | 19.81 | 11.53 | 10.48 | 9 |
| 10 | 9.98 | 10.05 | 10.62 | 9.95 | 10.19 | 9.86 | 11.16 | 17.66 | 13.89 | 19.82 | 11.82 | 10.32 | 10 |
| 11 | 10.08 | 10.06 | 10.47 | 10.00 | 10.13 | 9.89 | 13.08 | 17.57 | 16.69 | 19.58 | 11.84 | 10.32 | 11 |
| 12 | 10.07 | 10.05 | 10.34 | 10.03 | 10.11 | 10.00 | 12.80 | 17.37 | 16.33 | 18.34 | 11.82 | 10.34 | 12 |
| 13 | 10.01 | 10.08 | 10.26 | 10.04 | 10.10 | 11.50 | 11.97 | 17.49 | 13.90 | 14.41 | 11.45 | 10.42 | 13 |
| 14 | 10.05 | 10.08 | 10.21 | 9.99 | 10.10 | 12.24 | 11.63 | 17.51 | 13.69 | 14.40 | 11.87 | 10.41 | 14 |
| 15 | 10.08 | 10.06 | 10.16 | 9.95 | 10.09 | 11.53 | 11.56 | 17.29 | 14.08 | 14.33 | 11.77 | 10.21 | 15 |
| 16 | 10.03 | 10.09 | 10.14 | 9.96 | 10.06 | 10.99 | 11.74 | 15.82 | 13.86 | 13.04 | 11.69 | 10.18 | 16 |
| 17 | 9.97 | 10.09 | 10.11 | 9.93 | 10.06 | 12.24 | 11.72 | 15.28 | 14.35 | 12.71 | 11.63 | 10.15 | 17 |
| 18 | 10.00 | 10.10 | 10.11 | 9.92 | 10.05 | 11.51 | 12.24 | 14.09 | 16.66 | 12.46 | 11.60 | 10.14 | 18 |
| 19 | 10.03 | 10.13 | 10.15 | 9.91 | 10.03 | 10.81 | 13.82 | 14.71 | 16.17 | 12.61 | 11.69 | 10.19 | 19 |
| 20 | 9.99 | 10.16 | 10.16 | 9.91 | 10.01 | 10.57 | 13.98 | 14.82 | 14.30 | 12.49 | 11.65 | 10.22 | 20 |
| 21 | 9.94 | 10.16 | 10.17 | 9.93 | 10.00 | 10.57 | 16.13 | 14.73 | 13.74 | 12.67 | 11.72 | 10.24 | 21 |
| 22 | 10.01 | 10.15 | 10.16 | 10.00 | 10.00 | 10.56 | 18.74 | 14.74 | 13.88 | 11.68 | 11.77 | 10.30 | 22 |
| 23 | 10.08 | 10.14 | 10.13 | 10.13 | 10.00 | 10.44 | 17.02 | 16.28 | 17.45 | 12.08 | 11.87 | 10.24 | 23 |
| 24 | 10.11 | 10.15 | 10.11 | 10.31 | 10.00 | 10.38 | 17.68 | 16.58 | 19.67 | 12.31 | 12.04 | 10.20 | 24 |
| 25 | 10.15 | 10.15 | 10.11 | 11.56 | 10.00 | 10.27 | 17.89 | 16.62 | 19.73 | 12.18 | 12.01 | 10.28 | 25 |
| 26 | 10.12 | 10.13 | 10.13 | 10.64 | 10.03 | 10.21 | 18.11 | 16.55 | 21.25 | 12.00 | 12.09 | 10.28 | 26 |
| 27 | 10.12 | 10.12 | 10.11 | 10.44 | 10.16 | 10.39 | 17.83 | 16.41 | 18.90 | 11.69 | 12.08 | 10.21 | 27 |
| 28 | 10.14 | 10.12 | 10.09 | 10.32 | 10.11 | 10.21 | 17.73 | 16.54 | 20.74 | 12.20 | 12.12 | 10.18 | 28 |
| 29 | 10.12 | 10.11 | 10.09 | 10.31 | | 10.08 | 17.75 | 16.53 | 19.66 | 11.95 | 12.19 | 10.17 | 29 |
| 30 | 10.11 | 10.10 | 10.09 | 12.00 | | 10.07 | 17.80 | 16.56 | 21.49 | 11.87 | 12.19 | 10.16 | 30 |
| 31 | 10.08 | | 10.07 | 13.24 | | 10.11 | | 16.50 | | 12.00 | 11.88 | | 31 |

CREST STAGES

E — ESTIMATED
NR — NO RECORD
NF — NO FLOW

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|---------|------|-------|---------|------|-------|---------|------|-------|---------|------|-------|
| 4-7-67 | 1530 | 15.26 | 4-24-67 | 1030 | 18.43 | 6-4-67 | 1930 | 17.04 | 6-24-67 | 1530 | 19.95 |
| 4-11-67 | 1600 | 15.53 | 4-26-67 | 1300 | 18.17 | 6-12-67 | 0500 | 16.84 | 6-27-67 | 0300 | 21.65 |
| 4-22-67 | 0830 | 20.55 | 5-25-67 | 1300 | 16.66 | 6-18-67 | 1300 | 16.72 | 6-30-67 | 1000 | 21.55 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|---------------------------------|-------------------|-----------------|--------------------|------------------|---------------------|---------------|------|--------------------|----------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE NT. | DATE | | | FROM | TO | | |
| 37 25 28 | 120 39 47 | SW 9 6S 12E | 34400 | 22.67 32.67a | 12-4-50 12-4-50 | JUL 41-DATE | APR 41-JUL 41 | 1950 1962 | 1962 | 96.24 86.24 | USCGS USCGS |

Station located 150 feet downstream from McSwain Bridge, immediately north of Cressey. Prior to May 20, 1960, station located 250 feet upstream from bridge.

a Reflects present datum.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-------------------------------|
| 1967 | B07300 | SAN JOAQUIN RIVER NEAR NEWMAN |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|-------|-------|-------|-------|--------|--------|-------|-------|-------|--------|-------|-------|-----|
| 1 | 48.21 | 48.50 | 49.08 | 49.45 | 54.85E | 49.78 | 50.31 | 64.06 | 62.28 | 60.41 | 51.67 | 51.42 | 1 |
| 2 | 48.21 | 48.49 | 49.11 | 49.43 | 55.55E | 49.68 | 50.44 | 64.03 | 62.47 | 60.59 | 52.07 | 51.51 | 2 |
| 3 | 48.19 | 48.47 | 49.18 | 49.43 | 55.40E | 49.64 | 50.78 | 63.92 | 62.55 | 60.69 | 51.84 | 51.15 | 3 |
| 4 | 48.15 | 48.47 | 49.28 | 49.42 | 55.15E | 49.62 | 51.60 | 63.90 | 62.61 | 60.77 | 51.64 | 50.98 | 4 |
| 5 | 48.21 | 48.49 | 49.56 | 49.66 | 54.85E | 49.57 | 51.86 | 63.88 | 62.71 | 60.83 | 51.39 | 50.89 | 5 |
| 6 | 48.15 | 48.57 | 49.94 | 49.87 | 54.85E | 49.59 | 51.77 | 63.85 | 62.67 | 60.64 | 51.54 | 50.86 | 6 |
| 7 | 48.12 | 48.74 | 50.56 | 49.93 | 55.55E | 49.60 | 52.80 | 63.79 | 62.37 | 60.60 | 51.72 | 50.76 | 7 |
| 8 | 48.20 | 48.79 | 52.41 | 50.01 | 55.95 | 49.52 | 54.45 | 63.73 | 62.15 | 60.62 | 51.69 | 50.63 | 8 |
| 9 | 48.22 | 48.75 | 54.17 | 50.04 | 56.04 | 49.53 | 55.33 | 63.59 | 62.08 | 60.79 | 51.50 | 50.61 | 9 |
| 10 | 48.22 | 48.73 | 54.56 | 49.96 | 55.46 | 49.57 | 55.97 | 63.46 | 62.06 | 60.95 | 51.35 | 50.56 | 10 |
| 11 | 48.17 | 48.73 | 53.94 | 49.86 | 54.16 | 49.61 | 56.10 | 63.36 | 62.30 | 61.03 | 51.45 | 50.63 | 11 |
| 12 | 48.03 | 48.72 | 52.97 | 49.80 | 52.81 | 49.65 | 56.42 | 63.25 | 62.54 | 60.83 | 51.46 | 50.44 | 12 |
| 13 | 48.06 | 48.78 | 52.15 | 49.75 | 52.05 | 49.72 | 56.53 | 63.21 | 62.25 | 59.21 | 51.44 | 50.37 | 13 |
| 14 | 48.08 | 48.85 | 51.57 | 49.70 | 51.66 | 50.42 | 56.69 | 63.27 | 61.71 | 56.57 | 51.37 | 50.28 | 14 |
| 15 | 48.24 | 48.85 | 51.15 | 49.66 | 51.36 | 52.58 | 56.55 | 63.23 | 61.32 | 55.57 | 51.51 | 50.28 | 15 |
| 16 | 48.15 | 48.87 | 50.88 | 49.57 | 51.16 | 54.00 | 56.06 | 63.05 | 61.02 | 55.16 | 51.37 | 50.38 | 16 |
| 17 | 48.11 | 48.84 | 50.61 | 49.49 | 50.91 | 54.22 | 55.83 | 62.66 | 60.62 | 54.41 | 51.23 | 50.50 | 17 |
| 18 | 48.03 | 48.69 | 50.34 | 49.41 | 50.65 | 54.42 | 56.14 | 62.30 | 60.46 | 53.95 | 51.26 | 50.52 | 18 |
| 19 | 48.02 | 48.67 | 50.14 | 49.40 | 50.48 | 55.05 | 56.86 | 61.96 | 60.54 | 53.45 | 51.22 | 50.52 | 19 |
| 20 | 48.08 | 48.80 | 50.02 | 49.40 | 50.33 | 54.80 | 57.89 | 61.81 | 60.07 | 53.43 | 51.27 | 50.53 | 20 |
| 21 | 48.16 | 48.94 | 49.97 | 49.44 | 50.22 | 53.69 | 59.00 | 61.69 | 59.24 | 53.40 | 51.48 | 50.44 | 21 |
| 22 | 48.21 | 49.05 | 49.95 | 49.62 | 50.12 | 52.50 | 61.41 | 61.63 | 58.45 | 53.05 | 51.44 | 50.39 | 22 |
| 23 | 48.26 | 49.16 | 49.94 | 49.68 | 50.04 | 51.61 | 63.14 | 61.65 | 58.24 | 52.38 | 51.31 | 50.39 | 23 |
| 24 | 48.39 | 49.13 | 49.94 | 49.88 | 50.04 | 51.08 | 63.78 | 61.90 | 59.29 | 52.33 | 51.35 | 50.32 | 24 |
| 25 | 48.30 | 49.11 | 49.85 | 50.22 | 49.98 | 50.71 | 64.17 | 61.96 | 60.23 | 52.33 | 51.48 | 50.45 | 25 |
| 26 | 48.34 | 49.08 | 49.75 | 50.86 | 49.90 | 50.62 | 64.33 | 61.97 | 60.57 | 52.14 | 51.51 | 50.51 | 26 |
| 27 | 48.55 | 49.08 | 49.64 | 51.41 | 49.84 | 50.45E | 64.40 | 61.95 | 60.89 | 51.87 | 51.61 | 50.48 | 27 |
| 28 | 48.49 | 49.08 | 49.58 | 51.97 | 49.85 | 50.35E | 64.31 | 61.94 | 60.33 | 51.65E | 51.72 | 50.46 | 28 |
| 29 | 48.39 | 49.12 | 49.53 | 51.68 | | 50.20E | 64.08 | 61.99 | 60.20 | 51.86E | 51.64 | 50.37 | 29 |
| 30 | 48.41 | 49.06 | 49.51 | 51.47 | | 50.16E | 64.06 | 62.03 | 60.09 | 51.67 | 51.58 | 50.33 | 30 |
| 31 | 48.49 | | 49.47 | 52.54 | | 50.24 | | 62.14 | | 51.65 | 51.59 | | 31 |

CREST STAGES

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|----------|------|-------|---------|------|-------|---------|------|-------|------|------|-------|
| 12-10-66 | 0200 | 54.63 | 4-14-67 | 1800 | 56.72 | 6-27-67 | 1330 | 60.97 | | | |
| 2-9-67 | 0900 | 56.09 | 4-27-67 | 0600 | 64.41 | 7-11-67 | 1015 | 61.05 | | | |
| 3-19-67 | 2000 | 55.17 | 6-6-67 | 0315 | 62.78 | | | | | | |

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|---------------------------------|-------------------|-----------------|--------|------------------|---------------------|---------------|------|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 21 02 | 120 58 34 | SW 3 7S 9E | 33000a | 18.50 65.81b | 3-7-38 | APR 12-DATE | | 1912 | | 47.24 | USCGS |
| | | | | | | | | | 1959 | 47.31 | USCGS |
| | | | | | | | | | | 0.00 | USCGS |

Station located at bridge on Hills Ferry Road, 300 feet below the Merced River, 3.5 miles northeast of Newman. Records furnished by U. S. Geological Survey. Drainage area is 9,990 square miles. This station equipped with DWR radio telemeter. Flow records are published in the U. S. Geological Survey report "Surface Water Records of California".

a During periods of high flow the Merced River overflows into Merced River Slough bypassing this station on the San Joaquin River. The maximum discharge of record (33,000 cfs) includes flow in Merced River Slough.

b Reflects present datum.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---|
| 1967 | B07250 | SAN JOAQUIN RIVER AT CROWS LANDING BRIDGE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 1 | 37.75 | 37.91 | 38.42 | 38.91 | 43.84 | 39.29 | 40.22 | 56.20 | 53.80 | 51.41 | 42.11 | 41.57 | 1 |
| 2 | 37.78 | 37.92 | 38.47 | 38.88 | 45.17 | 39.18 | 40.32 | 56.16 | 54.02 | 51.66 | 42.25 | 41.64 | 2 |
| 3 | 37.79 | 37.90 | 38.50 | 38.86 | 45.93 | 39.11 | 40.59 | 56.12 | 54.21 | 51.78 | 42.37 | 41.47 | 3 |
| 4 | 37.77 | 37.88 | 38.58 | 38.86 | 45.75 | 39.10 | 41.30 | 56.05 | 54.31 | 51.90 | 41.97 | 41.25 | 4 |
| 5 | 37.83 | 37.90 | 38.78 | 38.97 | 44.91 | 39.04 | 41.65 | 56.00 | 54.45 | 52.00 | 42.20 | 41.16 | 5 |
| 6 | 37.80 | 37.96 | 39.15 | 39.25 | 44.67 | 39.05 | 41.70 | 55.97 | 54.50 | 51.90 | 42.20 | 41.07 | 6 |
| 7 | 37.71 | 38.11 | 39.99 | 39.35 | 45.12 | 39.04 | 42.40 | 55.93 | 54.26 | 51.77 | 41.91 | 40.95 | 7 |
| 8 | 37.72 | 38.18 | 40.93 | 39.42 | 45.63 | 38.99 | 43.90 | 55.87 | 53.89 | 51.78 | 42.03 | 40.83 | 8 |
| 9 | 37.79 | 38.14 | 42.79 | 39.48 | 45.90 | 38.94 | 45.14 | 55.71 | 53.70 | 51.89 | 41.96 | 40.80 | 9 |
| 10 | 37.80 | 38.11 | 43.83 | 39.46 | 45.65 | 39.03 | 45.85 | 55.50 | 53.65 | 52.15 | 41.71 | 40.83 | 10 |
| 11 | 37.80 | 38.12 | 43.64 | 39.37 | 44.54 | 39.23 | 46.29 | 55.35 | 53.76 | 52.26 | 41.80 | 40.99 | 11 |
| 12 | 37.72 | 38.12 | 42.81 | 39.29 | 43.05 | 39.23 | 46.53 | 55.21 | 54.17 | 52.21 | 41.78 | 40.79 | 12 |
| 13 | 37.67 | 38.13 | 41.93 | 39.24 | 41.99 | 39.35 | 46.80 | 55.08 | 54.14 | 51.36 | 41.74 | 40.70 | 13 |
| 14 | 37.60 | 38.20 | 41.28 | 39.17 | 41.44 | 39.74 | 46.93 | 55.12 | 53.56 | 48.66 | 41.66 | 40.59 | 14 |
| 15 | 37.71 | 38.23 | 40.80 | 39.13 | 41.07 | 41.26 | 46.95 | 55.15 | 52.95 | 46.72 | 41.71 | 40.55 | 15 |
| 16 | 37.76 | 38.25 | 40.48 | 39.07 | 40.82 | 43.63 | 46.60 | 55.04 | 52.50 | 45.96 | 41.64 | 40.59 | 16 |
| 17 | 37.66 | 38.24 | 40.21 | 38.98 | 40.57 | 44.88 | 46.23 | 54.65 | 52.05 | 45.35 | 41.52 | 40.62 | 17 |
| 18 | 37.60 | 38.14 | 39.94 | 38.89 | 40.30 | 44.39 | 46.33 | 54.16 | 51.65 | 44.74 | 41.50 | 40.80 | 18 |
| 19 | 37.59 | 38.07 | 39.71 | 38.85 | 40.10 | 44.75 | 46.87 | 53.66 | 51.70 | 44.17 | 41.47 | 40.76 | 19 |
| 20 | 37.60 | 38.14 | 39.57 | 38.85 | 39.92 | 44.92 | 47.89 | 53.34 | 51.47 | 43.99 | 41.44 | 40.67 | 20 |
| 21 | 37.62 | 38.27 | 39.48 | 38.89 | 39.79 | 44.11 | 48.90 | 53.14 | 50.65 | 43.93 | 41.71 | 40.58 | 21 |
| 22 | 37.65 | 38.35 | 39.43 | 39.71 | 39.69 | 42.85 | 50.94 | 53.04 | 49.80 | 43.76 | 41.66 | 40.55 | 22 |
| 23 | 37.70 | 38.45 | 39.42 | 39.62 | 39.62 | 41.69 | 53.50 | 52.97 | 49.22 | 43.12 | 41.51 | 40.59 | 23 |
| 24 | 37.80 | 38.49 | 39.42 | 40.53 | 39.69 | 41.04 | 55.11 | 53.20 | 50.15 | 43.00 | 41.51 | 40.56 | 24 |
| 25 | 37.80 | 38.46 | 39.36 | 41.64 | 39.61 | 40.59 | 56.01 | 53.37 | 50.91 | 42.82 | 41.68 | 40.68 | 25 |
| 26 | 37.69 | 38.43 | 39.26 | 40.72 | 39.48 | 40.44 | 56.43 | 53.42 | 51.50 | 42.72 | 41.67 | 40.70 | 26 |
| 27 | 37.88 | 38.43 | 39.14 | 40.97 | 39.37 | 40.44 | 56.64 | 53.43 | 51.94 | 42.46 | 41.72 | 40.64 | 27 |
| 28 | 37.92 | 38.43 | 39.05 | 41.45 | 39.33 | 40.36 | 56.67 | 53.41 | 51.71 | 42.21 | 41.89 | 40.58 | 28 |
| 29 | 37.80 | 38.46 | 38.99 | 41.41 | | 40.19 | 56.39 | 53.45 | 51.45 | 42.25 | 41.81 | 40.54 | 29 |
| 30 | 37.81 | 38.44 | 38.98 | 41.63 | | 40.06 | 56.18 | 53.52 | 51.17 | 42.13 | 41.72 | 40.48 | 30 |
| 31 | 37.88 | | 38.92 | 43.33 | | 40.03 | | 53.61 | | 42.10 | 41.72 | | 31 |

CREST STAGES

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|----------|------|-------|---------|------|-------|---------|------|-------|---------|------|-------|
| 12-10-66 | 1800 | 43.94 | 3-16-67 | 2330 | 45.30 | 5-15-67 | 1000 | 55.16 | 6-13-67 | 0100 | 54.26 |
| 2- 3-67 | 1900 | 46.07 | 4-14-67 | 1000 | 47.00 | 5-27-67 | 0600 | 53.45 | | | |
| 2- 9-67 | 1400 | 45.95 | 4-27-67 | 1830 | 56.69 | 6- 6-67 | 1200 | 54.56 | | | |

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|-------------------------------|-------------------|----------|---------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 26 52 | 121 00 44 | NW 8 6S 9E | | 61.9 | 4- 7-58 | OCT 65-DATE | 41-SEP 65 | | | 0.00 | USED |
| | | | | 58.4a | 4- 7-58 | | | 1959 | | 0.00 | USGS |
| | | | 16700b | 56.69 | 4-27-67 | | | 1959 | | 3.51 | USED |

Station located at Crows Landing Road Bridge, 4.3 miles northeast of Crows Landing.

a Reflects present datum.

b Maximum discharge since station was rated in October 1965.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|------------------------------------|
| 1967 | B04175 | TUOLUMNE RIVER AT LA GRANGE BRIDGE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| 1 | 167.16 | 168.80 | 169.22 | 169.63 | 171.70 | 171.42 | 174.21 | 172.37 | 173.47 | 175.90 | 167.22 | 167.20 | 1 |
| 2 | 167.22 | 169.28 | 169.23 | 169.66 | 171.99 | 171.32 | 174.13 | 172.05 | 173.50 | 175.58 | 167.18 | 167.20 | 2 |
| 3 | 167.24 | 169.28 | 169.23 | 170.35 | 171.80 | 171.19 | 172.88 | 172.07 | 173.50 | 175.43 | 167.23 | 167.20 | 3 |
| 4 | 167.31 | 169.29 | 169.23 | 170.13 | 172.09 | 170.34 | 171.28 | 172.06 | 173.47 | 175.48 | 167.20 | 167.20 | 4 |
| 5 | 167.18 | 169.28 | 170.02 | 170.03 | 172.07 | 169.46 | 171.72 | 172.01 | 173.72 | 175.34 | 167.20 | 167.19 | 5 |
| 6 | 167.23 | 169.28 | 170.90 | 170.03 | 171.90 | 170.00 | 173.88 | 171.98 | 173.72 | 175.50 | 167.20 | 167.62 | 6 |
| 7 | 167.18 | 169.32 | 173.08 | 169.53 | 172.07 | 169.91 | 174.66 | 171.93 | 172.91 | 175.46 | 167.20 | 167.12 | 7 |
| 8 | 167.22 | 169.28 | 173.96 | 169.35 | 171.91 | 169.82 | 174.63 | 171.73 | 172.89 | 174.75 | 167.20 | 167.07 | 8 |
| 9 | 167.46 | 169.28 | 174.47 | 169.85 | 172.06 | 170.06 | 174.53 | 172.14 | 173.57 | 173.14 | 167.20 | 167.06 | 9 |
| 10 | 168.70 | 169.26 | 174.00 | 169.70 | 172.08 | 170.75 | 173.79 | 173.65 | 173.69 | 173.30 | 167.20 | 167.06 | 10 |
| 11 | 168.65 | 169.28 | 172.71 | 169.72 | 172.08 | 170.41 | 173.10 | 174.33 | 174.03 | 170.78 | 167.20 | 167.07 | 11 |
| 12 | 168.66 | 169.29 | 172.33 | 169.54 | 172.04 | 170.03 | 173.79 | 172.18 | 174.00 | 167.48 | 167.20 | 167.07 | 12 |
| 13 | 168.66 | 168.93 | 172.10 | 169.60 | 171.76 | 170.87 | 174.76 | 170.58 | 173.21 | 167.21 | 167.20 | 167.08 | 13 |
| 14 | 168.82 | 169.30 | 172.19 | 169.35 | 171.91 | 171.52 | 173.40 | 170.89 | 171.06 | 167.52 | 167.24 | 167.12 | 14 |
| 15 | 168.84 | 169.34 | 172.18 | 169.31 | 172.00 | 173.97 | 172.03 | 171.63 | 170.44 | 169.46 | 167.28 | 167.21 | 15 |
| 16 | 168.97 | 169.28 | 172.19 | 169.55 | 172.11 | 175.50 | 171.99 | 172.48 | 173.37 | 173.07 | 167.27 | 167.23 | 16 |
| 17 | 169.14 | 169.30 | 172.18 | 169.60 | 172.10 | 175.56 | 171.78 | 172.60 | 174.20 | 172.99 | 167.27 | 167.22 | 17 |
| 18 | 169.32 | 169.11 | 172.21 | 169.73 | 172.07 | 175.57 | 173.59 | 172.65 | 174.21 | 172.30 | 167.27 | 167.23 | 18 |
| 19 | 169.33 | 167.46 | 172.21 | 169.76 | 172.02 | 175.52 | 174.92 | 172.99 | 174.66 | 171.96 | 167.26 | 167.22 | 19 |
| 20 | 169.32 | 167.42 | 172.25 | 169.81 | 171.99 | 175.45 | 174.89 | 172.51 | 174.90 | 170.21 | 167.25 | 167.22 | 20 |
| 21 | 169.32 | 168.75 | 172.27 | 169.46 | 172.07 | 175.39 | 174.59 | 173.10 | 174.90 | 169.52 | 167.28 | 167.22 | 21 |
| 22 | 169.30 | 169.29 | 172.27 | 169.29 | 172.08 | 174.07 | 174.64 | 173.25 | 174.74 | 169.35 | 167.30 | 167.22 | 22 |
| 23 | 168.56 | 169.14 | 172.28 | 169.72 | 172.06 | 172.37 | 173.65 | 173.17 | 175.11 | 169.25 | 167.30 | 167.21 | 23 |
| 24 | 168.84 | 167.39 | 172.32 | 169.78 | 171.61 | 172.19 | 174.09 | 173.10 | 175.26 | 169.93 | 167.30 | 167.22 | 24 |
| 25 | 168.69 | 168.44 | 172.34 | 169.52 | 171.42 | 171.56 | 173.68 | 172.75 | 175.24 | 168.31 | 167.28 | 167.22 | 25 |
| 26 | 168.67 | 167.41 | 172.38 | 169.73 | 171.15 | 171.39 | 173.31 | 172.09 | 175.23 | 167.51 | 167.23 | 167.21 | 26 |
| 27 | 168.68 | 167.39 | 171.96 | 169.37 | 171.50 | 171.15 | 173.29 | 172.49 | 175.27 | 167.41 | 167.22 | 169.00 | 27 |
| 28 | 168.65 | 168.70 | 171.26 | 169.24 | 171.47 | 171.00 | 173.30 | 172.80 | 175.20 | 167.47 | 167.21 | 168.31 | 28 |
| 29 | 168.65 | 169.28 | 171.41 | 169.28 | | 171.09 | 172.87 | 173.16 | 175.41 | 167.30 | 167.24 | 167.45 | 29 |
| 30 | 167.45 | 169.24 | 171.36 | 170.07 | | 171.34 | 172.30 | 173.47 | 175.82 | 167.26 | 167.22 | 167.11 | 30 |
| 31 | 168.55 | | 170.61 | 170.31 | | 173.39 | | 173.49 | | 167.25 | 167.21 | | 31 |

CREST STAGES

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|---------|------|--------|---------|------|--------|------|------|-------|------|------|-------|
| 12-9-66 | 1615 | 175.21 | 4-6-67 | 2330 | 174.83 | | | | | | |
| 3-17-67 | 1045 | 175.64 | 6-10-67 | 1800 | 174.43 | | | | | | |
| 3-31-67 | 1545 | 174.25 | 6-30-67 | 1900 | 175.94 | | | | | | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|---------------------------------|-------------------|----------|---------|------------------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 39 59 | 120 27 40 | NW20 3S 14E | 48200 | 188.0 | 12-8-50 | OCT 36-SEP 60 OCT 61-DATE | | 1937 | | 0.00 | USGS |

Station located at highway bridge, immediately north of La Grange. Flow regulated by reservoirs and powerplants. Drainage area is 1,540 square miles.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|----------------------------------|
| 1967 | B04150 | TUOLUMNE RIVER AT HICKMAN BRIDGE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 1 | 70.24 | 71.28 | 71.77 | 72.42 | 73.49 | 73.72 | 75.88 | 73.94 | 74.66 | 76.88 | 68.50 | 68.45 | 1 |
| 2 | 70.23 | 71.77 | 71.82 | 72.19 | 74.19 | 73.70 | 75.85 | 73.40 | 74.68 | 76.66 | 68.49 | 68.41 | 2 |
| 3 | 70.22 | 71.77 | 71.79 | 72.35 | 74.20 | 73.53 | 75.55 | 73.40 | 74.67 | 76.38 | 68.47 | 68.41 | 3 |
| 4 | 70.21 | 71.78 | 71.81 | 72.70 | 74.26 | 73.20 | 73.15 | 73.34 | 74.64 | 76.48 | 68.45 | 68.40 | 4 |
| 5 | 70.21 | 71.80 | 72.06 | 72.51 | 74.33 | 72.38 | 73.06 | 73.18 | 74.75 | 76.27 | 68.43 | 68.40 | 5 |
| 6 | 70.23 | 71.82 | 73.01 | 72.46 | 74.22 | 72.15 | 74.83 | 73.08 | 75.12 | 76.42 | 68.42 | 68.42 | 6 |
| 7 | 70.21 | 71.82 | 74.55 | 72.26 | 74.31 | 72.45 | 76.35 | 73.02 | 74.37 | 76.38 | 68.43 | 68.67 | 7 |
| 8 | 70.21 | 71.84 | 76.01 | 71.94 | 74.24 | 72.37 | 76.36 | 72.87 | 73.82 | 76.16 | 68.42 | 68.48 | 8 |
| 9 | 70.21 | 71.81 | 76.43 | 71.99 | 74.28 | 72.31 | 76.26 | 72.97 | 74.62 | 74.44 | 68.44 | 68.43 | 9 |
| 10 | 70.22 | 71.81 | 77.00 | 72.22 | 74.34 | 72.89 | 76.08 | 74.13 | 74.54 | 73.58 | 68.42 | 68.41 | 10 |
| 11 | 71.22 | 71.81 | 75.13 | 72.12 | 74.36 | 73.00 | 74.84 | 75.55 | 75.46 | 73.53 | 68.45 | 68.40 | 11 |
| 12 | 71.26 | 71.81 | 74.88 | 72.07 | 74.31 | 72.60 | 74.82 | 74.79 | 75.07 | 69.37 | 68.42 | 68.40 | 12 |
| 13 | 71.28 | 71.68 | 74.46 | 72.05 | 74.09 | 72.81 | 76.38 | 71.87 | 75.13 | 69.09 | 68.42 | 68.40 | 13 |
| 14 | 71.36 | 71.68 | 74.52 | 71.94 | 74.14 | 73.53 | 75.82 | 71.71 | 73.06 | 69.06 | 68.42 | 68.41 | 14 |
| 15 | 71.42 | 71.83 | 74.50 | 71.82 | 74.24 | 73.13 | 73.60 | 72.47 | 71.23 | 69.06 | 68.42 | 68.43 | 15 |
| 16 | 71.75 | 71.89 | 74.50 | 71.83 | 74.35 | 77.48 | 73.81 | 73.28 | 73.53 | 73.87 | 68.42 | 68.40 | 16 |
| 17 | 71.45 | 71.82 | 74.52 | 72.00 | 74.35 | 77.53 | 73.22 | 73.90 | 75.36 | 73.15 | 68.45 | 68.41 | 17 |
| 18 | 71.78 | 71.80 | 74.52 | 72.04 | 74.33 | 77.43 | 74.16 | 73.67 | 75.41 | 73.42 | 68.44 | 68.44 | 18 |
| 19 | 71.80 | 71.24 | 74.52 | 72.16 | 74.30 | 77.30 | 76.27 | 74.20 | 75.64 | 72.90 | 68.41 | 68.45 | 19 |
| 20 | 71.79 | 70.55 | 74.54 | 72.17 | 74.22 | 77.20 | 76.41 | 73.97 | 76.13 | 71.42 | 68.39 | 68.45 | 20 |
| 21 | 71.79 | 70.47 | 74.59 | 72.13 | 74.30 | 77.10 | 76.26 | 73.81 | 76.13 | 70.82 | 68.40 | 68.43 | 21 |
| 22 | 71.79 | 71.79 | 74.60 | 71.99 | 74.35 | 76.79 | 76.24 | 74.62 | 76.03 | 70.55 | 68.41 | 68.43 | 22 |
| 23 | 71.57 | 71.79 | 74.58 | 71.84 | 74.34 | 74.19 | 75.42 | 74.39 | 76.06 | 69.82 | 68.42 | 68.43 | 23 |
| 24 | 71.13 | 71.28 | 74.61 | 72.24 | 73.93 | 74.06 | 75.53 | 74.30 | 76.40 | 69.91 | 68.42 | 68.44 | 24 |
| 25 | 71.31 | 70.52 | 74.63 | 72.27 | 73.84 | 73.38 | 75.21 | 74.18 | 76.37 | 70.34 | 68.42 | 68.47 | 25 |
| 26 | 71.35 | 71.12 | 74.66 | 72.13 | 73.62 | 73.12 | 74.80 | 73.46 | 76.27 | 69.06 | 68.42 | 68.44 | 26 |
| 27 | 71.33 | 70.44 | 74.55 | 72.12 | 73.61 | 72.86 | 74.69 | 73.30 | 76.33 | 68.67 | 68.41 | 68.44 | 27 |
| 28 | 71.31 | 70.40 | 73.67 | 71.88 | 73.81 | 72.69 | 74.73 | 73.91 | 76.27 | 68.60 | 68.42 | 69.73 | 28 |
| 29 | 71.31 | 71.68 | 73.70 | 71.89 | | 72.71 | 74.62 | 74.05 | 76.25 | 68.59 | 68.40 | 69.10 | 29 |
| 30 | 71.18 | 71.79 | 73.72 | 72.17 | | 72.75 | 73.56 | 74.59 | 76.72 | 68.56 | 68.43 | 68.60 | 30 |
| 31 | 70.46 | | 73.55 | 72.99 | | 74.28 | | 74.66 | | 68.51 | 68.43 | | 31 |

CREST STAGES

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|----------|------|-------|---------|------|-------|---------|------|-------|------|------|-------|
| 12-10-66 | 0500 | 77.24 | 4-13-67 | 2030 | 76.49 | 6-11-67 | 0600 | 75.70 | | | |
| 3-16-67 | 2200 | 77.65 | 4-20-67 | 0000 | 76.50 | 7-1-67 | 0600 | 76.96 | | | |
| 4-1-67 | 1630 | 75.93 | 5-11-67 | 0540 | 75.57 | 7-18-67 | 0730 | 74.41 | | | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|---------------------------------|-------------------|----------|---------|---|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 38 10 | 120 45 14 | NW34 3S 11E | 59000 | 96.2 | 12-8-50 | JUL 32-OCT 36 JAN 37-MAR 37 JUL 37-FEB 38 JUL 38-DEC 38 MAR 39-DATE | | 1932 | | 0.00 | USCGS |

Station located at Hickman-Waterford road bridge, immediately south of Waterford. Flow regulated by reservoirs and powerplants. In August 1964, this station was moved approximately one-quarter mile downstream to a point immediately upstream of the new Hickman-Waterford road bridge.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|------------------------|
| 1967 | B04130 | DRY CREEK NEAR MODESTO |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 1 | 68.66 | 68.14 | 68.00 | 68.10 | 72.85 | 68.46 | 69.00 | 68.93 | 68.94 | 68.25 | 68.05 | 68.21 | 1 |
| 2 | 68.75 | 68.14 | 68.01 | 68.08 | 70.37 | 68.40 | 69.34 | 68.84 | 69.23 | 68.25 | 68.04 | 68.22 | 2 |
| 3 | 68.91 | 68.13 | 68.19 | 68.08 | 69.61 | 68.37 | 69.25 | 68.76 | 69.63 | 68.20 | 68.05 | 68.24 | 3 |
| 4 | 68.93 | 68.12 | 68.31 | 68.08 | 69.28 | 68.35 | 69.11 | 68.71 | 69.23 | 68.13 | 68.05 | 68.28 | 4 |
| 5 | 68.76 | 68.10 | 68.82 | 68.08 | 69.15 | 68.33 | 69.03 | 68.61 | 69.21 | 68.08 | 68.05 | 68.17 | 5 |
| 6 | 68.86 | 68.10 | 72.41 | 68.08 | 69.00 | 68.31 | 69.27 | 68.66 | 69.19 | 68.13 | 68.05 | 68.36 | 6 |
| 7 | 68.73 | 68.15 | 77.84 | 68.07 | 68.90 | 68.29 | 72.41 | 69.04 | 69.17 | 68.05 | 68.05 | 68.25 | 7 |
| 8 | 68.37 | 68.09 | 71.87 | 68.07 | 68.82 | 68.29 | 75.40 | 68.84 | 68.37 | 68.08 | 68.05 | 68.27 | 8 |
| 9 | 68.44 | 68.06 | 69.85 | 68.07 | 68.76 | 68.26 | 71.49 | 68.74 | 68.17 | 68.01 | 68.05 | 68.38 | 9 |
| 10 | 68.35 | 68.06 | 69.25 | 68.07 | 68.70 | 68.25 | 70.08 | 68.98 | 68.13 | 67.98 | 68.06 | 68.37 | 10 |
| 11 | 68.35 | 68.05 | 68.89 | 68.07 | 68.65 | 68.26 | 73.71 | 68.66 | 68.23 | 68.08 | 68.07 | 68.43 | 11 |
| 12 | 68.39 | 68.05 | 68.67 | 68.06 | 68.62 | 68.25 | 75.84 | 68.77 | 68.57 | 67.95 | 68.08 | 68.55 | 12 |
| 13 | 68.38 | 68.06 | 68.54 | 68.06 | 68.59 | 68.26 | 71.00 | 68.89 | 68.42 | 67.99 | 68.09 | 68.50 | 13 |
| 14 | 68.41 | 68.05 | 68.43 | 68.05 | 68.54 | 69.75 | 69.79 | 68.76 | 68.36 | 68.05 | 68.11 | 68.42 | 14 |
| 15 | 68.53 | 68.03 | 68.36 | 68.05 | 68.51 | 70.17 | 69.70 | 68.74 | 68.30 | 68.04 | 68.12 | 68.30 | 15 |
| 16 | 69.32 | 68.02 | 68.32 | 68.04 | 68.48 | 69.23 | 69.64 | 68.95 | 68.18 | 68.30 | 68.13 | 68.37 | 16 |
| 17 | 69.02 | 68.05 | 68.28 | 68.04 | 68.47 | 73.67 | 70.29 | 68.99 | 68.13 | 68.21 | 68.13 | 68.25 | 17 |
| 18 | 68.91 | 68.06 | 68.24 | 68.04 | 68.45 | 71.12 | 70.81 | 68.88 | 68.31 | 68.18 | 68.11 | 68.14 | 18 |
| 19 | 68.87 | 68.05 | 68.21 | 68.03 | 68.42 | 69.57 | 77.67 | 68.87 | 68.21 | 68.22 | 68.10 | 68.34 | 19 |
| 20 | 68.84 | 68.05 | 68.19 | 68.03 | 68.40 | 69.06 | 72.86 | 68.87 | 68.26 | 68.14 | 68.10 | 68.45 | 20 |
| 21 | 68.77 | 68.09 | 68.19 | 68.08 | 68.39 | 68.82 | 71.36 | 68.77 | 68.17 | 68.02 | 68.10 | 68.46 | 21 |
| 22 | 68.66 | 68.09 | 68.16 | 71.44 | 68.37 | 68.66 | 78.35 | 68.77 | 68.08 | 68.01 | 68.00 | 68.45 | 22 |
| 23 | 68.49 | 68.08 | 68.16 | 74.90 | 68.35 | 68.56 | 73.25 | 68.77 | 68.18 | 68.05 | 68.10 | 68.36 | 23 |
| 24 | 68.37 | 68.06 | 68.15 | 70.91 | 68.35 | 68.49 | 72.89 | 68.74 | 68.25 | 68.17 | 68.10 | 68.40 | 24 |
| 25 | 68.27 | 68.04 | 68.14 | 76.71 | 68.35 | 68.43 | 73.05 | 68.68 | 68.25 | 68.17 | 68.11 | 68.22 | 25 |
| 26 | 68.27 | 68.03 | 68.14 | 72.82 | 68.34 | 68.39 | 70.83 | 68.74 | 68.25 | 68.13 | 68.13 | 68.30 | 26 |
| 27 | 68.21 | 68.02 | 68.14 | 70.08 | 68.34 | 68.34 | 69.90 | 68.83 | 68.25 | 68.10 | 68.15 | 68.25 | 27 |
| 28 | 68.19 | 68.02 | 68.13 | 69.39 | 68.40 | 68.33 | 69.45 | 68.77 | 68.25 | 68.13 | 68.16 | 68.28 | 28 |
| 29 | 68.21 | 68.01 | 68.12 | 69.38 | | 68.28 | 69.21 | 68.81 | 68.25 | 68.16 | 68.18 | 68.34 | 29 |
| 30 | 68.16 | 68.00 | 68.11 | 76.08 | | 68.31 | 69.05 | 68.82 | 68.25 | 68.04 | 68.20 | 68.39 | 30 |
| 31 | 68.15 | | 68.10 | 78.69 | | 68.90 | | 68.84 | | 68.02 | 68.21 | | 31 |

CREST STAGES

| | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|----------------|---------|------|-------|---------|------|-------|---------|------|-------|---------|------|-------|
| E — ESTIMATED | 12-7-66 | 0820 | 79.44 | 1-30-67 | 0830 | 78.07 | 3-17-67 | 1045 | 75.70 | 4-19-67 | 1300 | 78.24 |
| NR — NO RECORD | 1-23-67 | 0030 | 78.74 | 1-31-67 | 1130 | 80.69 | 4-8-67 | 0045 | 77.56 | 4-22-67 | 1245 | 80.80 |
| NF — NO FLOW | 1-25-67 | 1015 | 78.69 | 3-15-67 | 0300 | 70.74 | 4-11-67 | 2245 | 80.17 | 4-24-67 | 2030 | 75.88 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|---------------------------------|-------------------|----------|----------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 39 26 | 120 55 19 | SE24 3S 9E | 7710 | 88.04 | 12-23-55 | MAR 41-DATE | | 1941 | | 0.00 | USCGS |

Station located 0.1 mile downstream from Claus Road bridge, 4 miles east of Modesto. Tributary to Tuolumne River. June 1930 to March 1941, records available for a site 2.5 miles downstream. Station is operated under a cooperative agreement between the Department of Water Resources and the Modesto Irrigation District. Drainage area is 192.3 square miles.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---------------------------|
| 1967 | 804120 | TUOLUMNE RIVER AT MODESTO |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-----|
| 1 | 41.27 | 41.52 | 41.81 | 42.53 | 43.45 | 43.22 | 47.39 | 46.06 | 46.82 | 51.68 | 41.36 | 41.31 | 1 |
| 2 | 41.32 | 41.79 | 41.83 | 42.13 | 43.81 | 43.19 | 48.65 | 45.47 | 46.93 | 51.75 | 41.40 | 41.35 | 2 |
| 3 | 41.36 | 41.96 | 41.85 | 42.09 | 44.04 | 43.08 | 48.65 | 45.20 | 47.01 | 51.29 | 41.37 | 41.31 | 3 |
| 4 | 41.36 | 41.98 | 41.87 | 42.36 | 43.78 | 42.99 | 46.14 | 45.10E | 46.95 | 51.12 | 41.37 | 41.33 | 4 |
| 5 | 41.31 | 41.98 | 41.91 | 42.30 | 44.07 | 42.48 | 44.13 | 44.72 | 46.96 | 51.06 | 41.35 | 41.32 | 5 |
| 6 | 41.28 | 42.00 | 42.42 | 42.24 | 44.02 | 42.12 | 45.17 | 44.42 | 47.59 | 50.96 | 41.37 | 41.30 | 6 |
| 7 | 41.31 | 42.02 | 44.91 | 42.20 | 43.86 | 42.27 | 48.88 | 44.37 | 47.26 | 51.12 | 41.37 | 41.35 | 7 |
| 8 | 41.27 | 42.01 | 46.61 | 42.03 | 44.04 | 42.25 | 51.16 | 44.24 | 45.85 | 51.08 | 41.33 | 41.39 | 8 |
| 9 | 41.30 | 42.00 | 47.78 | 41.94 | 43.84 | 42.20 | 50.48 | 43.97 | 46.01 | 49.36 | 41.34 | 41.35 | 9 |
| 10 | 41.29 | 42.00 | 49.00 | 42.09 | 44.05 | 42.29 | 49.96 | 44.73 | 46.66 | 46.53 | 41.33 | 41.33 | 10 |
| 11 | 41.44 | 42.00 | 47.72 | 42.07 | 44.09 | 42.63 | 49.07 | 47.39 | 47.71 | 47.13 | 41.31 | 41.37 | 11 |
| 12 | 41.68 | 42.00 | 45.44 | 42.06 | 44.06 | 42.48 | 49.07 | 48.29 | 47.84 | 43.42 | 41.32 | 41.36 | 12 |
| 13 | 41.69 | 41.99 | 44.53 | 42.01 | 43.98 | 42.31 | 49.37 | 44.63 | 48.01 | 41.82 | 41.37 | 41.35 | 13 |
| 14 | 41.70 | 41.87 | 44.21 | 42.02 | 43.67 | 42.89 | 50.11 | 42.82 | 46.07 | 41.65 | 41.30 | 41.32 | 14 |
| 15 | 41.72 | 41.88 | 44.20 | 41.92 | 43.82 | 44.02 | 47.43 | 43.08 | 43.24 | 41.60 | 41.32 | 41.32 | 15 |
| 16 | 41.82 | 41.87 | 44.18 | 41.90 | 43.94 | 48.12 | 45.73 | 43.89 | 43.37 | 43.77 | 41.33 | 41.35 | 16 |
| 17 | 41.85 | 41.86 | 44.19 | 41.97 | 44.07 | 51.29 | 45.24 | 45.03 | 46.74 | 45.49 | 41.30 | 41.32 | 17 |
| 18 | 41.85 | 41.85 | 44.15 | 42.01 | 44.05 | 51.70 | 45.26 | 45.14 | 48.02 | 46.34 | 41.31 | 41.30 | 18 |
| 19 | 41.91 | 41.81 | 44.18 | 42.04 | 44.00 | 51.44 | 49.92 | 45.45 | 48.21 | 45.25 | 41.30 | 41.32 | 19 |
| 20 | 41.94 | 41.50 | 44.20 | 42.08 | 43.93 | 51.29 | 51.12 | 45.77 | 49.21 | 44.08 | 41.31 | 41.35 | 20 |
| 21 | 41.94 | 41.34 | 44.24 | 42.12 | 43.92 | 51.15 | 50.78 | 45.01 | 49.65 | 42.74 | 41.31 | 41.34 | 21 |
| 22 | 41.94 | 41.52 | 44.25 | 42.21 | 43.99 | 50.92 | 51.78 | 46.31 | 49.69 | 42.41 | 41.32 | 41.34 | 22 |
| 23 | 41.92 | 41.84 | 44.26 | 42.87 | 44.01 | 47.77 | 51.09 | 46.30 | 49.45 | 42.18 | 41.34 | 41.36 | 23 |
| 24 | 41.73 | 41.81 | 44.29 | 42.31 | 43.77 | 45.11 | 49.25 | 46.14 | 50.09 | 42.05 | 41.36 | 41.35 | 24 |
| 25 | 41.71 | 41.46 | 44.33 | 43.41 | 43.50 | 44.41 | 49.70 | 46.04 | 50.42 | 42.40 | 41.35 | 41.32 | 25 |
| 26 | 41.73 | 41.45 | 44.36 | 42.66 | 43.20 | 43.59 | 48.57 | 45.31 | 50.42 | 41.86 | 41.29 | 41.32 | 26 |
| 27 | 41.72 | 41.39 | 44.41 | 42.29 | 42.92 | 43.27 | 47.85 | 44.39 | 50.43 | 41.63 | 41.31 | 41.35 | 27 |
| 28 | 41.71 | 41.26 | 43.61 | 42.09 | 43.26 | 43.02 | 47.70 | 45.09 | 50.54 | 41.48 | 41.31 | 41.71 | 28 |
| 29 | 41.71 | 41.43 | 38.83 | 42.02 | | 42.92 | 47.70 | 45.42 | 50.45 | 41.46 | 41.31 | 41.82 | 29 |
| 30 | 41.71 | 41.77 | 42.24 | 42.95 | | 43.01 | 46.59 | 46.17 | 50.89 | 41.44 | 41.32 | 41.58 | 30 |
| 31 | 41.51 | | 43.01 | 44.35 | | 43.96 | | 46.60 | | 41.41 | 41.30 | | 31 |

CREST STAGES

| E | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|----------------|----------|------|-------|---------|------|-------|---------|------|-------|---------|------|-------|
| — ESTIMATED | 11- 6-66 | 1800 | 42.02 | 3-17-67 | 1800 | 51.84 | 4-22-67 | 2015 | 52.70 | 7-18-68 | 1645 | 46.86 |
| NR — NO RECORD | 12-10-66 | 2400 | 49.78 | 4- 2-67 | 1200 | 48.74 | 5-12-67 | 1430 | 48.41 | | | |
| NF — NO FLOW | 1-31-67 | 1630 | 45.66 | 4- 8-67 | 0945 | 51.38 | 7- 2-67 | 0015 | 51.85 | | | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|-------------------------------|-------------------|----------|---------|------------------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.O.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 37 38 | 120 59 20 | SW33 3S 9E | 57000 | 69.19 | 12-9-50 | JAN 95-DEC 96 MAR 40-DATE | 78- 84 91- 94 | 1940 | | 0.00 | USCGS |

Station located at U. S. Highway 99 Bridge. Records furnished by U. S. Geological Survey. Flow records are published by the U. S. Geological Survey report "Surface Water Records of California". Drainage area is 1,884 square miles. This station equipped with DWR radio telemeter.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---------------------------------|
| 1967 | B04105 | TUOLUMNE RIVER AT TUOLUMNE CITY |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 1 | 23.47 | 23.85 | 24.95 | 27.95 | 29.90 | 28.66 | 31.77 | 37.94 | 36.78 | 38.19 | 25.50 | 24.89 | 1 |
| 2 | 23.48 | 24.38 | 25.11 | 26.71 | 29.50 | 28.58 | 33.80 | 37.87 | 36.91 | 38.34 | 25.52 | 24.91 | 2 |
| 3 | 23.58 | 24.99 | 25.18 | 26.38 | 30.16 | 28.49 | 34.08 | 37.66 | 37.03 | 38.24 | 25.50 | 24.89 | 3 |
| 4 | 23.62 | 25.24 | 25.22 | 26.71 | 30.19 | 28.25 | 33.04 | 37.56 | 37.10 | 38.10 | 25.41 | 24.88 | 4 |
| 5 | 23.59 | 25.25 | 25.35 | 26.88 | 30.24 | 27.56 | 30.46 | 37.44 | 37.11 | 38.12 | 25.31 | 24.89 | 5 |
| 6 | 23.50 | 25.29 | 26.10 | 26.67 | 30.15 | 26.56 | 30.43 | 37.31 | 37.29 | 38.01 | 25.36 | 24.79 | 6 |
| 7 | 23.59 | 25.38 | 29.18 | 26.57 | 29.96 | 26.46 | 33.20 | 37.26 | 37.37 | 38.10 | 25.39 | 24.80 | 7 |
| 8 | 23.57 | 25.32 | 31.42 | 26.22 | 30.18 | 26.58 | 35.92 | 37.20 | 36.87 | 38.06 | 25.26 | 25.01 | 8 |
| 9 | 23.54 | 25.28 | 32.52 | 25.86 | 30.17 | 26.43 | 36.32 | 37.08 | 36.54 | 37.57 | 25.24 | 24.89 | 9 |
| 10 | 23.56 | 25.26 | 33.59 | 26.01 | 30.34 | 26.45 | 36.11 | 37.08 | 36.73 | 36.34 | 25.16 | 24.87 | 10 |
| 11 | 23.58 | 25.28 | 33.96 | 26.20 | 30.35 | 27.30 | 35.74 | 37.58 | 36.90 | 35.94 | 25.14 | 24.89 | 11 |
| 12 | 24.32 | 25.26 | 31.83 | 26.12 | 30.13 | 27.26 | 35.81 | 38.04 | 37.23 | 35.14 | 25.15 | 24.88 | 12 |
| 13 | 24.60 | 25.25 | 30.78 | 26.01 | 29.84 | 26.85 | 35.52 | 37.28 | 37.33 | 33.10 | 25.26 | 24.89 | 13 |
| 14 | 24.65 | 25.09 | 30.15 | 26.00 | 29.44 | 27.48 | 36.43 | 36.34 | 36.98 | 31.64 | 25.13 | 24.86 | 14 |
| 15 | 24.64 | 25.09 | 29.98 | 25.82 | 29.42 | 28.78 | 35.49 | 36.24 | 35.75 | 29.37 | 25.08 | 24.78 | 15 |
| 16 | 24.89 | 25.33 | 29.87 | 25.69 | 29.50 | 31.95 | 33.42 | 36.43 | 34.84 | 29.00 | 25.06 | 24.83 | 16 |
| 17 | 25.17 | 25.36 | 29.86 | 25.72 | 29.64 | 35.66 | 32.76 | 36.67 | 35.61 | 32.04 | 25.07 | 24.83 | 17 |
| 18 | 25.10 | 25.30 | 29.81 | 25.87 | 29.65 | 36.82 | 32.11 | 36.63 | 36.41 | 32.24 | 25.07 | 24.75 | 18 |
| 19 | 25.32 | 25.26 | 29.83 | 25.95 | 29.61 | 36.90 | 34.53 | 36.37 | 36.56 | 31.89 | 25.05 | 24.74 | 19 |
| 20 | 25.39 | 24.68 | 29.84 | 26.05 | 29.54 | 36.95 | 37.01 | 36.30 | 36.91 | 31.03 | 25.08 | 24.82 | 20 |
| 21 | 25.40 | 23.91 | 29.87 | 26.20 | 29.49 | 36.93 | 37.22 | 35.92 | 37.26 | 29.25 | 25.04 | 24.77 | 21 |
| 22 | 25.37 | 23.80 | 29.92 | 26.33 | 29.55 | 36.74 | 37.63 | 35.95 | 37.21 | 28.38 | 25.00 | 24.81 | 22 |
| 23 | 25.37 | 24.79 | 29.92 | 27.81 | 29.60 | 35.21 | 38.30 | 36.16 | 36.96 | 28.02 | 24.98 | 24.85 | 23 |
| 24 | 25.06 | 25.10 | 29.97 | 27.01 | 29.52 | 31.87 | 37.63 | 36.08 | 37.02 | 27.41 | 25.04 | 24.83 | 24 |
| 25 | 24.57 | 24.55 | 30.03 | 27.87 | 29.07 | 30.75 | 38.40 | 36.13 | 37.34 | 27.53 | 25.03 | 24.75 | 25 |
| 26 | 24.68 | 23.85 | 30.07 | 28.40 | 28.77 | 29.70 | 38.57 | 36.12 | 37.59 | 27.25 | 24.94 | 24.74 | 26 |
| 27 | 24.68 | 24.11 | 30.10 | 26.98 | 28.37 | 29.21 | 38.57 | 35.82 | 37.68 | 26.40 | 24.94 | 24.73 | 27 |
| 28 | 24.63 | 23.67 | 29.68 | 26.40 | 28.53 | 28.82 | 38.55 | 35.88 | 37.83 | 25.99 | 24.87 | 25.00 | 28 |
| 29 | 24.57 | 23.57 | 28.63 | 26.10 | | 28.58 | 38.57 | 36.10 | 37.82 | 25.83 | 24.85 | 25.91 | 29 |
| 30 | 24.56 | 24.58 | 28.55 | 27.16 | | 28.59 | 38.32 | 36.31 | 37.86 | 25.73 | 24.88 | 25.59 | 30 |
| 31 | 24.40 | | 28.50 | 29.16 | | 29.20 | | 36.61 | | 25.62 | 24.88 | | 31 |

CREST STAGES

| | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|----------------|----------|------|-------|---------|------|-------|---------|------|-------|---------|------|-------|
| E — ESTIMATED | 11-24-66 | 1030 | 25.10 | 3-20-67 | 1430 | 37.00 | 4-23-67 | 0330 | 38.50 | 6-13-67 | 2300 | 37.48 |
| NR — NO RECORD | 12-11-66 | 0400 | 34.59 | 4- 3-67 | 1445 | 34.13 | 4-26-67 | 1000 | 38.58 | 7- 2-67 | 0900 | 38.37 |
| NF — NO FLOW | 2-10-67 | 1900 | 30.40 | 4- 8-67 | 2200 | 36.38 | 5-12-67 | 1400 | 38.07 | 7-18-67 | 2230 | 32.82 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|-------------------------------|-------------------|----------|----------|------------------|---------------------|---------------|------|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 36 12 | 121 07 50 | NW 7 4S 8E | | 46.65 | 12- 9-50 | 30-DATE | | | | | |
| | | | | 43.15a | 12- 9-50 | | | 1960 | 1959 | 0.00 | USED |
| | | | 8880b | 38.50 | 4-23-67 | | | 1960 | | 0.00 | USCGS |
| | | | | | | | | | | 3.50 | USED |

Station located at highway bridge, 3.35 miles above mouth. Backwater at times, from the San Joaquin River, affects the stage-discharge relationship. Drainage area is 1,896 square miles.

a Reflects present datum.

b Maximum discharge since Department of Water Resources began operation of station in April 1966.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---------------------------------------|
| 1967 | B07040 | SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 1 | 14.33 | 14.61 | 15.45 | 18.08 | 22.60 | 18.79 | 21.01 | 32.29 | 31.08 | 30.50 | 17.80 | 17.10 | 1 |
| 2 | 14.28 | 14.73 | 15.54 | 17.31 | 22.42 | 18.60 | 23.01 | 32.10 | 31.32 | 30.62 | 17.70 | 17.03 | 2 |
| 3 | 14.47 | 15.05 | 15.63 | 16.82 | 22.94 | 18.48 | 23.77 | 31.89 | 31.35 | 30.72 | 17.97 | 17.23 | 3 |
| 4 | 14.48 | 15.28 | 15.68 | 16.79 | 23.07 | 18.28 | 23.76 | 31.72 | 31.05 | 30.68 | 17.74 | 17.24 | 4 |
| 5 | 14.56 | 15.31 | 15.84 | 17.08 | 22.83 | 17.96 | 22.37 | 31.55 | 30.59 | 30.50 | 17.52 | 17.06 | 5 |
| 6 | 14.51 | 15.34 | 16.19 | 17.00 | 22.53 | 17.28 | 21.56 | 31.39 | 30.65 | 30.25 | 17.49 | 16.96 | 6 |
| 7 | 14.55 | 15.46 | 17.98 | 17.01 | 22.35 | 16.83 | 22.74 | 31.22 | 31.02 | 30.14 | 17.58 | 16.82 | 7 |
| 8 | 14.52 | 15.47 | 20.66 | 16.91 | 22.49 | 16.94 | 25.13 | 31.05 | 30.95 | 29.83 | 17.64 | 16.83 | 8 |
| 9 | 14.58 | 15.48 | 21.89 | 16.70 | 22.68 | 16.74 | 26.71 | 30.85 | 30.55 | 29.54 | 17.51 | 16.83 | 9 |
| 10 | 14.58 | 15.48 | 22.98 | 16.66 | 22.80 | 16.60 | 27.24 | 30.71 | 30.46 | 29.02 | 17.51 | 16.85 | 10 |
| 11 | 14.49 | 15.47 | 23.93 | 16.78 | 22.74 | 17.08 | 27.37 | 30.85 | 30.57 | 28.45 | 17.44 | 16.93 | 11 |
| 12 | 14.77 | 15.45 | 23.21 | 16.63 | 22.29 | 17.48 | 27.41 | 31.19 | 30.88 | 28.19 | 17.36 | 16.93 | 12 |
| 13 | 15.02 | 15.47 | 22.11 | 16.49 | 21.60 | 17.31 | 27.34 | 31.08 | 31.12 | 27.11 | 17.43 | 16.87 | 13 |
| 14 | 15.08 | 15.45 | 21.05 | 16.41 | 21.01 | 17.78 | 27.53 | 30.35 | 31.05 | 25.95 | 17.43 | 16.81 | 14 |
| 15 | 15.12 | 15.39 | 20.46 | 16.30 | 20.64 | 18.99 | 27.48 | 29.93 | 30.25 | 24.08 | 17.25 | 16.78 | 15 |
| 16 | 15.23 | 15.54 | 20.17 | 16.17 | 20.53 | 21.10 | 26.68 | 29.91 | 29.34 | 22.54 | 17.10 | 16.76 | 16 |
| 17 | 15.31 | 15.59 | 19.98 | 16.11 | 20.46 | 24.18 | 26.04 | 30.05 | 28.80 | 23.57 | 17.08 | 16.82 | 17 |
| 18 | 15.19 | 15.56 | 19.82 | 16.18 | 20.34 | 26.52 | 25.55 | 30.01 | 28.90 | 23.68 | 17.03 | 16.91 | 18 |
| 19 | 15.22 | 15.52 | 19.69 | 16.18 | 20.14 | 27.82 | 26.03 | 29.74 | 29.17 | 23.45 | 17.07 | 16.94 | 19 |
| 20 | 15.30 | 15.35 | 19.60 | 16.25 | 19.96 | 28.45 | 27.65 | 29.49 | 29.54 | 22.69 | 17.05 | 16.82 | 20 |
| 21 | 15.30 | 14.94 | 19.57 | 16.38 | 19.83 | 28.59 | 28.34 | 29.21 | 29.80 | 21.61 | 17.10 | 16.68 | 21 |
| 22 | 15.30 | 14.76 | 19.54 | 16.94 | 19.79 | 28.16 | 28.63 | 28.97 | 29.84 | 20.82 | 17.18 | 16.74 | 22 |
| 23 | 15.31 | 15.11 | 19.52 | 18.47 | 19.81 | 26.98 | 29.35 | 29.12 | 29.60 | 20.38 | 17.06 | 16.79 | 23 |
| 24 | 15.25 | 15.47 | 19.52 | 18.90 | 19.91 | 24.69 | 30.00 | 29.52 | 29.45 | 19.66 | 17.02 | 16.90 | 24 |
| 25 | 14.98 | 15.40 | 19.46 | 19.44 | 19.69 | 22.81 | 30.98 | 30.09 | 29.65 | 19.35 | 17.07 | 16.91 | 25 |
| 26 | 14.89 | 14.99 | 19.41 | 20.20 | 19.30 | 21.79 | 32.01 | 30.54 | 30.06 | 19.40 | 17.12 | 16.90 | 26 |
| 27 | 14.87 | 15.00 | 19.37 | 19.29 | 18.91 | 21.10 | 32.35 | 30.54 | 30.38 | 18.68 | 17.09 | 16.88 | 27 |
| 28 | 14.91 | 14.87 | 19.25 | 19.83 | 18.74 | 20.48 | 32.40 | 30.44 | 30.60 | 18.24 | 17.17 | 16.87 | 28 |
| 29 | 14.92 | 14.71 | 18.56 | 20.24 | | 19.94 | 32.60 | 30.57 | 30.72 | 18.05 | 17.20 | 17.36 | 29 |
| 30 | 14.89 | 15.07 | 18.29 | 20.15 | | 19.55 | 32.58 | 30.69 | 30.55 | 18.06 | 17.11 | 17.34 | 30 |
| 31 | 14.86 | | 18.24 | 21.36 | | 19.81 | | 30.87 | | 17.94 | 17.16 | | 31 |

CREST STAGES

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|---------|------|-------|---------|------|-------|---------|------|-------|---------|------|-------|
| 3-21-67 | 1200 | 28.60 | 4-28-67 | 0815 | 32.60 | 6- 3-67 | 0600 | 31.40 | 6-21-67 | 1700 | 29.90 |
| 4-15-67 | 0100 | 27.68 | 4-29-67 | 1800 | 32.65 | 6- 7-67 | 2100 | 31.10 | 6-29-67 | 0800 | 30.25 |
| 4-27-67 | 1300 | 32.57 | 5-13-67 | 0200 | 31.30 | 6-14-67 | 0200 | 31.19 | 7- 3-67 | 1400 | 30.74 |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|---------------------------------|-------------------|----------|----------|------------------|---------------------|---------------|------|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CF5 | GAGE HT. | DATE | | | FROM | TO | | |
| 37 38 28 | 121 13 37 | SW 29 3S 7E | | 39.8 | 12- 9-50 | JAN 50-MAR 52 | SEP 43-DEC 49 | 1943 | 1959 | 0.00 | USED |
| | | | | 36.4a | 12- 9-50 | | APR 52-SEP 65 | 1959 | | 0.00 | USCGS |
| | | | 22660b | 32.65 | 4-29-67 | OCT 65-DATE | | 1959 | | 3.41 | USED |
| Station located at State Highway 132 Bridge, 13 miles west of Modesto, two miles upstream from mouth of the Stanislaus River. Gage height discharge relation affected by backwater from the Stanislaus River during high flows in the Stanislaus. | | | | | | | | | | | |
| a Reflects present datum. | | | | | | | | | | | |
| b Maximum discharge since station was rated in October 1965. | | | | | | | | | | | |

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---|
| 1967 | B03175 | STANISLAUS RIVER AT ORANGE BLOSSOM BRIDGE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|------|------|------|------|------|-------|------|-------|-------|-------|------|-------|-----|
| 1 | 1.63 | 2.15 | 2.48 | 3.36 | 7.58 | 3.03 | 6.71 | 8.55 | 12.20 | 10.40 | 1.74 | 1.72 | 1 |
| 2 | 1.60 | 2.14 | 2.57 | 2.13 | 7.17 | 3.13 | 6.63 | 8.38 | 10.35 | 10.26 | 1.71 | 1.73 | 2 |
| 3 | 1.67 | 2.14 | 2.72 | 3.11 | 6.20 | 3.11 | 6.02 | 8.36 | 7.52 | 10.07 | 1.70 | 1.73 | 3 |
| 4 | 1.75 | 2.12 | 2.56 | 3.33 | 5.56 | 3.15 | 5.34 | 8.35 | 6.90 | 8.20 | 1.70 | 1.71 | 4 |
| 5 | 1.68 | 2.11 | 3.69 | 3.35 | 5.56 | 3.16 | 5.20 | 8.21 | 8.17 | 8.23 | 1.71 | 1.74 | 5 |
| 6 | 1.62 | 2.12 | 7.19 | 3.35 | 5.55 | 3.18 | 6.17 | 7.55 | 9.75 | 7.32 | 1.75 | 1.73 | 6 |
| 7 | 1.67 | 2.15 | 7.82 | 3.34 | 5.55 | 2.93 | 9.38 | 7.04 | 9.39 | 5.37 | 1.81 | 1.72 | 7 |
| 8 | 1.63 | 2.12 | 6.40 | 3.35 | 5.57 | 2.08 | 9.46 | 6.60 | 9.79 | 3.66 | 1.78 | 1.72 | 8 |
| 9 | 1.59 | 2.10 | 5.98 | 3.35 | 5.57 | 2.04 | 9.23 | 7.16 | 10.26 | 3.63 | 1.79 | 1.73 | 9 |
| 10 | 1.68 | 2.11 | 5.85 | 3.09 | 5.57 | 1.94 | 8.91 | 7.04 | 10.56 | 3.40 | 1.81 | 1.75 | 10 |
| 11 | 1.68 | 2.13 | 5.77 | 2.22 | 5.57 | 2.00 | 9.18 | 7.05 | 10.87 | 3.00 | 1.80 | 1.74 | 11 |
| 12 | 1.60 | 2.14 | 5.15 | 2.16 | 5.58 | 3.52 | 8.62 | 7.20 | 10.16 | 2.26 | 1.79 | 1.73 | 12 |
| 13 | 1.64 | 2.15 | 4.06 | 2.10 | 5.57 | 5.80 | 8.32 | 7.20 | 9.07 | 2.19 | 1.83 | 1.72 | 13 |
| 14 | 1.71 | 2.14 | 4.07 | 2.08 | 5.56 | 5.82 | 8.10 | 7.15 | 9.25 | 3.01 | 1.84 | 1.74 | 14 |
| 15 | 1.70 | 2.12 | 4.07 | 2.04 | 5.57 | 5.76 | 8.49 | 7.15 | 8.56 | 3.30 | 1.79 | 1.70 | 15 |
| 16 | 1.68 | 2.15 | 4.06 | 2.09 | 5.53 | 8.42 | 8.62 | 7.14 | 7.25 | 4.35 | 1.78 | 1.70 | 16 |
| 17 | 1.72 | 2.00 | 4.04 | 2.03 | 5.20 | 12.55 | 8.64 | 7.09 | 7.28 | 5.37 | 1.76 | 1.65 | 17 |
| 18 | 1.76 | 2.00 | 4.05 | 1.97 | 4.92 | 12.54 | 9.34 | 7.26 | 9.45 | 3.44 | 1.76 | 1.64 | 18 |
| 19 | 1.88 | 2.00 | 4.08 | 1.99 | 4.92 | 11.87 | 9.23 | 7.19 | 10.54 | 3.37 | 1.77 | 1.64 | 19 |
| 20 | 3.08 | 2.03 | 4.08 | 1.97 | 4.92 | 11.16 | 9.17 | 7.06 | 10.21 | 2.72 | 1.77 | 1.63 | 20 |
| 21 | 3.09 | 2.01 | 4.13 | 2.63 | 4.91 | 8.99 | 9.56 | 7.18 | 10.21 | 2.55 | 1.76 | 1.64 | 21 |
| 22 | 3.09 | 2.09 | 4.13 | 8.53 | 5.22 | 7.73 | 9.38 | 9.42 | 10.49 | 1.97 | 1.76 | 1.64 | 22 |
| 23 | 3.11 | 2.14 | 4.03 | 5.28 | 5.53 | 7.21 | 9.24 | 12.76 | 11.28 | 1.93 | 1.78 | 1.66 | 23 |
| 24 | 3.10 | 2.20 | 3.44 | 6.09 | 5.35 | 7.21 | 9.33 | 13.26 | 11.27 | 1.93 | 1.80 | 1.62 | 24 |
| 25 | 3.50 | 2.19 | 3.41 | 6.07 | 4.39 | 7.13 | 9.17 | 12.47 | 11.21 | 1.88 | 1.76 | 1.60 | 25 |
| 26 | 3.53 | 2.16 | 3.41 | 7.11 | 4.37 | 6.77 | 9.04 | 12.35 | 11.30 | 1.88 | 1.76 | 1.61 | 26 |
| 27 | 3.59 | 2.19 | 3.38 | 9.61 | 4.35 | 6.16 | 8.94 | 12.46 | 11.16 | 1.87 | 1.75 | 1.61 | 27 |
| 28 | 3.41 | 2.15 | 3.37 | 8.78 | 3.64 | 5.44 | 8.84 | 12.34 | 10.77 | 1.87 | 1.76 | 1.68 | 28 |
| 29 | 3.19 | 2.23 | 3.36 | 7.48 | | 4.89 | 8.75 | 12.36 | 10.48 | 1.87 | 1.76 | 1.62 | 29 |
| 30 | 3.10 | 2.31 | 3.36 | 7.93 | | 4.51 | 8.66 | 12.45 | 10.48 | 1.87 | 1.76 | 1.62 | 30 |
| 31 | 3.04 | | 3.38 | 7.86 | | 5.01 | | 12.55 | | 1.90 | 1.76 | | 31 |

CREST STAGES

E -- ESTIMATED

NR -- NO RECORD

NF -- NO FLOW

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|----------|------|-------|---------|------|-------|---------|------|-------|------|------|-------|
| 10-27-66 | 1300 | 3.73 | 1-27-68 | 1930 | 9.84 | 5-24-67 | 1600 | 13.74 | | | |
| 12-7-66 | 0040 | 9.17 | 3-17-68 | 1300 | 12.68 | 6-23-67 | 1330 | 11.35 | | | |
| 1-22-67 | 0700 | 10.67 | 4-7-68 | 0615 | 9.80 | | | | | | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|-------------------------------|---------------------|----------|----------|------------------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 47 18 | 120 45 41 | SW 4 2S 11E | 62000E (Revised) | 31.8 | 12-23-55 | JUN 28-DEC 39 APR 40-DATE | | | | 0.00 | LOCAL |

Station located at bridge, 5.0 miles east of Oakdale. Flow regulated by reservoirs and powerplants. Drainage area is 1,020 square miles. Equipped with radio telemeter.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-------------------------------|
| 1967 | B03145 | STANISLAUS RIVER AT RIVERBANK |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|-------|--------|-------|-------|-------|-------|------|-----|------|------|------|-------|-----|
| 1 | 72.48 | 72.99 | 73.65 | 75.14 | 80.02 | 74.98 | | | | | | | 1 |
| 2 | 72.47 | 72.96 | 73.89 | 74.39 | 79.86 | 74.90 | | | | | | | 2 |
| 3 | 72.50 | 72.96 | 74.21 | 73.95 | 78.60 | 74.88 | | | | | | | 3 |
| 4 | 72.65 | 72.96 | 74.14 | 75.04 | 77.92 | 74.87 | | | | | | | 4 |
| 5 | 72.67 | 72.97 | 74.32 | 75.09 | 77.72 | 74.90 | | | | | | | 5 |
| 6 | 72.61 | 73.01 | 78.11 | 75.08 | 77.68 | 74.90 | | | | | | | 6 |
| 7 | 72.59 | 73.05 | 80.49 | 75.07 | 77.68 | | | | | | | | 7 |
| 8 | 72.51 | 73.10 | 78.94 | 75.07 | 77.68 | | | | | | | | 8 |
| 9 | 72.49 | 72.99 | 78.26 | 75.07 | 77.67 | | | | | | | | 9 |
| 10 | 72.46 | 72.97 | 78.04 | 75.09 | 77.67 | | | | | | | | 10 |
| 11 | 72.48 | 72.98 | 77.93 | 73.92 | 77.66 | | | | | | | | 11 |
| 12 | 72.50 | 72.97 | 77.79 | 73.42 | 77.64 | | | | | | | | 12 |
| 13 | 72.50 | 72.97 | 76.30 | 73.25 | 77.64 | | | | | | | | 13 |
| 14 | 72.48 | 72.99 | 76.11 | 73.17 | 77.65 | | | | | | | | 14 |
| 15 | 72.49 | 73.01 | 76.09 | 73.09 | 77.63 | | | | | | | | 15 |
| 16 | 72.60 | 73.09 | 76.07 | 73.06 | 77.62 | | | | | | | | 16 |
| 17 | 72.57 | 73.08 | 76.05 | 73.31 | 77.43 | | | | | | | | 17 |
| 18 | 72.52 | 73.02 | 76.02 | 72.98 | 76.98 | | | | | | | | 18 |
| 19 | 72.50 | 73.02 | 76.06 | 72.95 | 76.97 | | | | | | | | 19 |
| 20 | 72.57 | 73.08 | 76.07 | 73.00 | 76.96 | | | | | | | | 20 |
| 21 | 72.87 | 73.10 | 76.08 | 73.15 | 76.96 | | | | | | | | 21 |
| 22 | 72.99 | 73.11 | 76.08 | 79.43 | 77.04 | | | | | | | | 22 |
| 23 | 72.99 | 73.18 | 76.09 | 78.06 | 77.56 | | | | | | | | 23 |
| 24 | 72.98 | 73.28 | 75.46 | 77.90 | 77.58 | | | | | | | | 24 |
| 25 | 72.98 | 73.35E | 75.19 | 78.43 | 76.72 | | | | | | | | 25 |
| 26 | 73.07 | 73.36 | 75.19 | 78.31 | 76.41 | | | | | | | | 26 |
| 27 | 73.10 | 73.35 | 75.14 | 81.84 | 76.39 | | | | | | | | 27 |
| 28 | 73.10 | 73.39 | 75.13 | 82.17 | 76.02 | | | | | | | | 28 |
| 29 | 73.08 | 73.35 | 75.14 | 80.11 | | | | | | | | | 29 |
| 30 | 73.05 | 73.45 | 75.13 | 80.07 | | | | | | | | | 30 |
| 31 | 73.01 | | 75.13 | 80.89 | | | | | | | | | 31 |

CREST STAGES

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|---------|------|-------|---------|------|-------|------|------|-------|------|------|-------|
| 12-7-66 | 0840 | 81.15 | 1-28-67 | 0430 | 82.53 | | | | | | |
| 1-10-67 | 1500 | 75.13 | 1-31-67 | 0100 | 81.37 | | | | | | |
| 1-22-67 | 1800 | 82.55 | 2-23-67 | 2000 | 77.57 | | | | | | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|-------------------------------|-------------------|----------|----------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 44 31 | 120 56 21 | SW24 2S 9E | 85800 | 103.18 | 12-23-55 | JUL 40-MAR 67 | | 1940 | | 0.00 | USCGS |

Station located at Burneyville Bridge, immediately north of Riverbank. Drainage area is 1,055 square miles.
 Station discontinued on March 7, 1967.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---------------------------|
| 1967 | B03125 | STANISLAUS RIVER AT RIPON |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 1 | 36.71 | 36.93 | 37.34 | 39.92 | 49.47 | 41.20 | 45.05 | 51.53 | 55.95 | 54.14 | 38.84 | 38.73 | 1 |
| 2 | 36.63 | 36.92 | 37.54 | 39.82 | 48.84 | 40.33 | 46.97 | 51.27 | 55.71 | 54.08 | 38.84 | 38.61 | 2 |
| 3 | 36.69 | 36.91 | 37.74 | 38.62 | 47.73 | 40.25 | 47.00 | 51.22 | 54.28 | 53.98 | 38.72 | 38.63 | 3 |
| 4 | 36.79 | 36.91 | 38.08 | 39.26 | 46.19 | 40.14 | 45.80 | 50.99 | 51.07 | 53.42 | 38.58 | 38.71 | 4 |
| 5 | 36.98 | 36.91 | 38.11 | 39.74 | 45.28 | 40.12 | 44.77 | 50.98 | 49.77 | 51.51 | 38.49 | 38.58 | 5 |
| 6 | 37.13 | 36.95 | 39.88 | 39.79 | 45.06 | 40.09 | 44.53 | 50.66 | 51.89 | 51.16 | 38.53 | 38.58 | 6 |
| 7 | 36.90 | 36.99 | 45.79 | 39.80 | 44.93 | 40.08 | 47.64 | 49.41 | 53.23 | 48.96 | 38.65 | 38.61 | 7 |
| 8 | 36.87 | 37.00 | 47.02 | 39.79 | 44.87 | 39.66 | 52.03 | 48.43 | 53.13 | 45.71 | 38.61 | 38.65 | 8 |
| 9 | 36.69 | 37.00 | 45.33 | 39.78 | 44.84 | 38.92 | 52.56 | 47.75 | 53.48 | 43.90 | 38.51 | 38.36 | 9 |
| 10 | 36.85 | 36.95 | 44.69 | 39.79 | 44.81 | 38.60 | 52.36 | 49.12 | 53.94 | 43.53 | 38.55 | 38.80 | 10 |
| 11 | 37.53 | 36.94 | 44.46 | 39.45 | 44.78 | 38.22 | 52.25 | 48.70 | 54.29 | 42.78 | 38.75 | 39.02 | 11 |
| 12 | 37.27 | 36.94 | 44.36 | 38.30 | 44.75 | 38.07 | 52.24 | 48.79 | 54.56 | 42.06 | 38.72 | 39.05 | 12 |
| 13 | 36.77 | 36.94 | 43.40 | 37.96 | 44.74 | 40.77 | 51.49 | 48.82 | 53.83 | 41.20 | 38.58 | 39.15 | 13 |
| 14 | 36.68 | 36.94 | 41.81 | 37.77 | 44.73 | 44.13 | 50.89 | 48.83 | 52.73 | 41.05 | 38.67 | 38.81 | 14 |
| 15 | 36.68 | 36.96 | 41.58 | 37.66 | 44.71 | 44.51 | 50.58 | 48.73 | 52.70 | 41.47 | 38.48 | 39.04 | 15 |
| 16 | 36.73 | 36.99 | 41.49 | 37.57 | 44.68 | 44.67 | 51.06 | 48.64 | 51.35 | 42.00 | 38.48 | 39.29 | 16 |
| 17 | 36.77 | 37.02 | 41.43 | 37.54 | 44.59 | 49.90 | 51.28 | 48.53 | 49.70 | 43.82 | 38.56 | 39.22 | 17 |
| 18 | 36.69 | 37.00 | 41.37 | 37.49 | 44.01 | 54.92 | 51.61 | 48.42 | 50.11 | 43.92 | 38.49 | 39.26 | 18 |
| 19 | 36.64 | 36.98 | 41.35 | 37.43 | 43.60 | 55.70 | 52.84 | 48.62 | 52.79 | 42.05 | 38.26 | 39.09 | 19 |
| 20 | 36.65 | 37.00 | 41.38 | 37.42 | 43.53 | 55.38 | 52.70 | 48.39 | 53.77 | 41.59 | 38.52 | 39.11 | 20 |
| 21 | 36.67 | 37.02 | 41.40 | 37.50 | 43.48 | 54.65 | 52.48 | 48.25 | 53.67 | 40.94 | 38.82 | 39.34 | 21 |
| 22 | 36.81 | 37.03 | 41.41 | 40.34 | 43.44 | 52.41 | 52.99 | 48.65 | 53.72 | 40.70 | 38.59 | 39.61 | 22 |
| 23 | 36.89 | 37.03 | 41.41 | 47.65 | 44.04 | 49.91 | 52.86 | 51.92 | 54.08 | 40.25 | 38.61 | 39.55 | 23 |
| 24 | 36.91 | 37.08 | 41.17 | 44.39 | 44.44 | 48.76 | 52.69 | 55.24 | 54.73 | 39.93 | 38.68 | 39.59 | 24 |
| 25 | 36.91 | 37.15 | 40.33 | 45.93 | 43.97 | 48.53 | 52.65 | 56.09 | 54.87 | 39.70 | 38.43 | 39.61 | 25 |
| 26 | 36.91 | 37.21 | 40.15 | 45.41 | 42.71 | 48.19 | 52.45 | 55.86 | 54.86 | 39.61 | 38.23 | 39.47 | 26 |
| 27 | 36.96 | 37.22 | 40.08 | 47.80 | 42.54 | 47.53 | 52.25 | 55.79 | 54.84 | 39.29 | 38.64 | 39.38 | 27 |
| 28 | 36.97 | 37.23 | 40.01 | 51.21 | 42.34 | 46.37 | 52.08 | 55.83 | 54.82 | 39.13 | 38.51 | 39.53 | 28 |
| 29 | 36.98 | 37.26 | 39.98 | 50.47 | | 45.12 | 51.86 | 55.80 | 54.46 | 38.93 | 38.35 | 39.67 | 29 |
| 30 | 36.97 | 37.25 | 39.96 | 48.80 | | 44.18 | 51.72 | 55.83 | 54.14 | 39.06 | 38.29 | 39.78 | 30 |
| 31 | 36.96 | | 39.93 | 49.84 | | 43.58 | | 55.88 | | 39.18 | 38.47 | | 31 |

CREST STAGES

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|---------|------|-------|---------|------|-------|---------|------|-------|---------|------|-------|
| 12-8-66 | 0130 | 47.77 | 4-2-67 | 1915 | 47.08 | 5-25-67 | 0945 | 56.19 | 6-25-67 | 1600 | 54.89 |
| 1-28-67 | 2330 | 51.67 | 4-9-67 | 1130 | 52.59 | 6-1-67 | 0730 | 56.16 | 7-18-67 | 0115 | 45.89 |
| 3-19-67 | 0900 | 55.78 | 4-22-67 | 1715 | 53.16 | 6-12-67 | 1115 | 54.61 | | | |

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|-------------------------------|-------------------|----------|----------|------------------|---------------------|---------------|----|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.O.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO OH GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 43 50 | 121 06 35 | SE29 2S 8E | 62500 | 63.25 | 12-24-55 | APR 40-DATE | | 1940 | | 0.00 | USGS |

Station located 15 feet downstream from the Southern Pacific Railroad Bridge, 1.0 mile southeast of Ripon. Records furnished by U. S. Geological Survey. Flow records are published in U. S. Geological Survey report "Surface Water Records of California". Drainage area is 1,075 square miles.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|-----------------------------------|
| 1967 | B03115 | STANISLAUS RIVER AT KOETITZ RANCH |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 1 | 27.14 | 27.25 | 27.67 | 30.38 | 39.30 | 31.94 | 35.18 | 41.66 | 45.88 | 44.11 | 29.77 | 29.43 | 1 |
| 2 | 27.00 | 27.23 | 27.82 | 30.32 | 38.60 | 30.98 | 37.24 | 41.46 | 45.79 | 44.09 | 29.74 | 29.54 | 2 |
| 3 | 27.21 | 27.22 | 28.04 | 29.49 | 37.89 | 30.82 | 37.37 | 41.29 | 44.94 | 43.98 | 29.66 | 29.66 | 3 |
| 4 | 27.26 | 27.22 | 28.33 | 29.44 | 36.45 | 30.69 | 36.58 | 41.10 | 42.15 | 43.73 | 29.48 | 29.80 | 4 |
| 5 | 27.42 | 27.22 | 28.48 | 30.12 | 35.52 | 30.65 | 35.50 | 40.99 | 40.21 | 42.05 | 29.47 | 29.66 | 5 |
| 6 | 27.65 | 27.25 | 29.20 | 30.21 | 35.27 | 30.62 | 35.22 | 40.80 | 41.61 | 41.30 | 29.51 | 29.67 | 6 |
| 7 | 27.58 | 27.32 | 34.43 | 30.23 | 35.18 | 30.60 | 37.13 | 39.82 | 43.10 | 39.71 | 29.45 | 29.57 | 7 |
| 8 | 27.37 | 27.31 | 36.91 | 30.23 | 35.13 | 30.38 | 41.01 | 38.89 | 43.23 | 36.68 | 29.42 | 29.73 | 8 |
| 9 | 27.44 | 27.34 | 35.61 | 30.24 | 35.10 | 29.61 | 42.00 | 38.17 | 43.36 | 34.75 | 29.36 | 29.52 | 9 |
| 10 | 27.40 | 27.31 | 34.89 | 30.22 | 35.05 | 29.26 | 42.02 | 39.15 | 43.79 | 34.28 | 29.36 | 29.95 | 10 |
| 11 | 27.81 | 27.28 | 34.62 | 30.06 | 35.05 | 28.98 | 41.86 | 39.13 | 44.17 | 33.66 | 29.66 | 30.01 | 11 |
| 12 | 28.05 | 27.27 | 34.52 | 29.03 | 35.00 | 28.75 | 41.99 | 39.10 | 44.46 | 32.89 | 29.76 | 30.04 | 12 |
| 13 | 27.43 | 27.26 | 33.98 | 28.55 | 34.98 | 30.26 | 41.39 | 39.17 | 44.19 | 32.08 | 29.68 | 30.04 | 13 |
| 14 | 27.43 | 27.26 | 32.36 | 28.28 | 34.97 | 33.97 | 40.82 | 39.15 | 43.06 | 31.85 | 29.62 | 29.80 | 14 |
| 15 | 27.10 | 27.27 | 32.03 | 28.13 | 34.95 | 34.60 | 40.51 | 38.96 | 42.79 | 32.23 | 29.35 | 29.80 | 15 |
| 16 | 27.21 | 27.30 | 31.92 | 28.02 | 34.92 | 34.75 | 40.84 | 38.84 | 42.04 | 32.65 | 29.42 | 30.20 | 16 |
| 17 | 27.16 | 27.32 | 31.84 | 27.95 | 34.87 | 38.21 | 41.04 | 38.78 | 40.13 | 34.05 | 29.39 | 30.15 | 17 |
| 18 | 27.12 | 27.32 | 31.79 | 27.94 | 34.43 | 43.10 | 41.26 | 38.66 | 40.01 | 35.07 | 29.52 | 30.24 | 18 |
| 19 | 26.97 | 27.29 | 31.75 | 27.89 | 33.97 | 45.49 | 42.22 | 38.74 | 42.08 | 32.91 | 29.18 | 30.07 | 19 |
| 20 | 26.92 | 27.32 | 31.78 | 27.84 | 33.87 | 45.53 | 42.53 | 38.62 | 43.55 | 32.54 | 29.52 | 30.00 | 20 |
| 21 | 26.94 | 27.34 | 31.79 | 27.90 | 33.82 | 44.99 | 42.28 | 38.45 | 43.65 | 31.75 | 29.75 | 30.19 | 21 |
| 22 | 27.02 | 27.35 | 31.81 | 29.24 | 33.78 | 42.89 | 42.58 | 38.71 | 43.65 | 31.68 | 29.54 | 30.49 | 22 |
| 23 | 27.11 | 27.36 | 31.82 | 36.97 | 34.18 | 40.31 | 42.75 | 40.91 | 43.85 | 31.27 | 29.50 | 30.54 | 23 |
| 24 | 27.20 | 27.38 | 31.69 | 34.85 | 34.67 | 38.99 | 42.55 | 44.29 | 44.50 | 30.85 | 29.60 | 30.68 | 24 |
| 25 | 27.18 | 27.43 | 30.95 | 35.67 | 34.43 | 38.66 | 42.56 | 45.95 | 44.79 | 30.52 | 29.40 | 30.65 | 25 |
| 26 | 27.18 | 27.58 | 30.67 | 35.65 | 33.21 | 38.38 | 42.44 | 45.87 | 44.82 | 30.53 | 29.30 | 30.42 | 26 |
| 27 | 27.24 | 27.61 | 30.57 | 36.69 | 32.95 | 37.82 | 42.30 | 45.74 | 44.79 | 30.27 | 29.52 | 30.23 | 27 |
| 28 | 27.30 | 27.61 | 30.48 | 40.12 | 32.82 | 36.86 | 42.12 | 45.80 | 44.78 | 31.12 | 29.39 | 30.38 | 28 |
| 29 | 27.31 | 27.62 | 30.42 | 40.31 | | 35.80 | 41.95 | 45.78 | 44.54 | 30.11 | 29.31 | 30.59 | 29 |
| 30 | 27.30 | 27.62 | 30.39 | 38.72 | | 34.89 | 41.82 | 45.80 | 44.20 | 29.97 | 29.31 | 30.65 | 30 |
| 31 | 27.28 | | 30.38 | 39.18 | | 34.36 | | 45.82 | | 29.76 | 29.23 | | 31 |

CREST STAGES

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|---------|------|-------|---------|------|-------|------|------|-------|------|------|-------|
| 12-8-66 | 0635 | 37.25 | 3-19-67 | 2000 | 45.70 | | | | | | |
| 1-23-67 | 1200 | 38.05 | 4-23-67 | 0030 | 42.86 | | | | | | |
| 1-29-67 | 0500 | 40.83 | 5-25-67 | 1400 | 46.16 | | | | | | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|----------|-----------|---------------------------------|-------------------|----------|------|------------------|---------------------|---------------|------|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B. & M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 41 57 | 121 10 08 | SW 2 3S 7E | | | | OCT 62-DATE | MAR 50-SEP 62 | 1950 | 1951 | 0.00 | USED |
| | | | | | | | | 1951 | | 0.00 | USED |
| | | | | | | | | 1951 | | 3.60 | USCGS |

Station located on left bank 9.35 miles upstream from mouth 0.6 mile northwest of Bacon and Gages road junction, 3.7 miles southwest of Ripon.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|------------|-------------|---------------------------------|
| 1967 | B07020 | SAN JOAQUIN RIVER NEAR VERNALIS |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|-----|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|--------|-----|
| 1 | 10.39a | 10.83 | 11.63 | 14.35a | 19.54 | 15.55 | 17.65 | 28.93 | 28.08 | 27.38 | 14.12 | 13.20 | 1 |
| 2 | 10.40a | 10.85 | 11.75a | 13.80a | 19.37 | 15.23 | 19.58 | 28.73 | 28.28 | 27.50 | 13.95 | 13.30 | 2 |
| 3 | 10.56b | 11.16 | 11.95a | 13.45a | 19.71 | 15.07 | 20.39 | 28.55 | 28.30 | 27.60 | 14.07 | 13.43 | 3 |
| 4 | 10.67 | 11.43 | 12.05a | 13.30b | 19.72 | 14.88 | 20.47 | 28.38 | 27.89 | 27.58 | 14.01 | 13.47 | 4 |
| 5 | 10.74 | 11.43 | 12.15b | 13.65 | 19.41 | 14.65 | 19.30 | 28.23 | 27.32 | 27.34 | 13.74 | 13.34 | 5 |
| 6 | 10.77 | 11.45 | 12.31a | 13.62 | 19.11 | 14.12 | 18.48 | 28.08 | 27.28 | 27.01 | 13.68 | 13.17 | 6 |
| 7 | 10.85 | 11.58 | 14.43 | 13.63 | 18.90 | 13.72 | 19.18 | 27.90 | 27.73 | 26.84 | 13.71 | 13.11 | 7 |
| 8 | 10.77 | 11.61 | 17.40a | 13.57 | 18.95 | 13.77 | 21.63 | 27.68 | 27.79 | 26.35 | 13.77 | 13.08b | 8 |
| 9 | 10.86 | 11.62 | 18.40a | 13.36 | 19.13 | 13.50 | 23.45 | 27.48 | 27.41 | 25.86 | 13.68 | 12.97 | 9 |
| 10 | 10.87 | 11.63 | 19.20a | 13.29 | 19.26 | 13.31 | 24.07 | 27.33 | 27.30 | 25.30 | 13.62 | 13.11 | 10 |
| 11 | 10.74 | 11.63 | 20.07b | 13.41 | 19.29 | 13.48 | 24.24 | 27.43 | 27.42 | 24.61 | 13.52 | 13.27 | 11 |
| 12 | 10.97 | 11.60 | 19.80b | 13.20 | 19.03a | 14.87 | 24.28 | 27.74 | 27.69 | 24.24 | 13.58 | 13.26 | 12 |
| 13 | 11.14 | 11.61 | 18.70a | 12.97a | 18.43a | 13.78 | 24.19 | 27.81 | 27.95 | 23.25 | 13.62 | 13.08 | 13 |
| 14 | 11.19 | 11.59 | 17.60a | 12.89a | 17.90a | 14.73 | 24.24 | 27.15 | 27.89 | 22.10 | 13.58 | 13.05 | 14 |
| 15 | 11.26 | 11.52 | 16.90a | 12.71a | 17.49a | 15.86 | 24.28 | 26.63 | 27.14 | 20.52 | 13.41 | 12.98 | 15 |
| 16 | 11.34 | 11.65 | 16.60a | 12.52a | 17.41a | 17.32 | 23.68 | 26.52 | 26.21 | NR | 13.32 | 13.10 | 16 |
| 17 | 11.42 | 11.73 | 16.44a | 12.46a | 17.36a | 20.22 | 23.08 | 26.60 | 25.45 | 19.59 | 13.25 | 13.23 | 17 |
| 18 | 11.33 | 11.71 | 16.30a | 12.47a | 17.15a | 23.06 | 22.63 | 26.62 | 25.41 | 20.05 | 13.18 | 13.30 | 18 |
| 19 | 11.27 | 11.68 | 16.20b | 12.50a | 16.93a | 24.63 | 22.86 | 26.35 | 25.75 | 19.74 | 13.13 | 13.38 | 19 |
| 20 | 11.34 | 11.57 | 16.12 | 12.52a | 16.75a | 25.39 | 24.32 | 26.09 | 26.27 | 19.12 | 13.20 | 13.27 | 20 |
| 21 | 11.38 | 11.17 | 16.09 | 12.60a | 16.72a | 25.59 | 25.08 | 25.80 | 26.65 | 18.12 | 13.30 | 13.17 | 21 |
| 22 | 11.38 | 10.97 | 16.07 | 13.17 | 16.60a | 25.17 | 25.34 | 25.52 | 26.70 | 17.21 | 13.31 | 13.25 | 22 |
| 23 | 11.44 | 11.20a | 16.05 | 15.30 | 16.60a | 24.02 | 25.98 | 25.67 | 26.52 | 16.74 | 13.16 | 13.35 | 23 |
| 24 | 11.44 | 11.60a | 16.04 | 16.09 | 16.82a | 21.82 | 26.65 | 26.25 | 26.37 | 16.14 | 13.16 | 13.43 | 24 |
| 25 | 11.17 | 11.65a | 15.92 | 16.23 | 16.63 | 20.00 | 27.48 | 26.96 | 26.57 | 15.78 | 13.21 | 13.52 | 25 |
| 26 | 10.98 | 11.25 | 15.80 | 17.22 | 16.22 | 19.08 | 28.56 | 27.55 | 26.93 | 15.81 | 13.15 | 13.49 | 26 |
| 27 | 10.98 | 11.16 | 15.75 | 16.49 | 15.80 | 18.40 | 28.97 | 27.57 | 27.30 | 15.06 | 13.13 | 13.45 | 27 |
| 28 | 11.01 | 11.14 | 15.68 | 17.23 | 15.59 | 17.79 | 29.03 | 27.46 | 27.52 | 14.54 | 13.26 | 13.37 | 28 |
| 29 | 11.05 | 10.98 | 15.14 | 17.80 | | 17.19 | 29.20 | 27.58 | 27.64 | 14.27 | 13.28 | 13.58 | 29 |
| 30 | 11.02 | 11.20a | 14.83 | 17.53 | | 16.70 | 29.22 | 27.68 | 27.49 | 14.28 | 13.21 | 13.83 | 30 |
| 31 | 11.03 | | 14.78 | 18.33 | | 16.77 | | 27.87 | | 14.28 | 13.29 | | 31 |

CREST STAGES

| | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|----------------|----------|------|-------|---------|------|-------|---------|------|-------|---------|------|-------|
| E — ESTIMATED | 12-11-66 | 1800 | 20.22 | 4- 4-67 | 0830 | 20.59 | 4-30-67 | 0200 | 29.28 | 6-29-67 | 1200 | 27.68 |
| NR — NO RECORD | 2- 3-67 | 1800 | 19.80 | 4-12-67 | 2100 | 24.35 | 6- 3-67 | 0400 | 28.36 | | | |
| NF — NO FLOW | 3-21-67 | 1200 | 25.62 | 4-15-67 | 0400 | 24.35 | 6-14-67 | 0100 | 28.01 | | | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|-----------|-------------------------------|-------------------|----------|----------|------------------|---------------------|---------------|------|--------------------|---------------|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 37 40 34 | 121 15 51 | | 79000 | 27.75 | 12- 9-50 | JUL 22-DEC 23 | | 1931 | 1959 | 8.4 | USED |
| | | | | 32.81a | 12- 9-50 | JAN 24-FEB 25 | | | | | |
| | | | | | | JUN 25-OCT 28 | | 1931 | 1959 | 5.06 | USCGS |
| | | | | | | MAY 29-DATE | | 1959 | | 0.00 | USCGS |
| Station located 80 feet upstream from the Durham Ferry Highway Bridge, 3 miles downstream from the Stanislaus River, 3.4 miles northeast of Vernalis. Records furnished by U. S. Geological Survey. Drainage area is approximately 13,540 square miles. This station equipped with DWR radio telemeter. | | | | | | | | | | | |
| a Reflects present datum. | | | | | | | | | | | |

TABLE B-11
CORRECTIONS AND REVISIONS
TO
PREVIOUSLY PUBLISHED REPORTS

This table shows corrections and revisions to surface water measurement data of the Bulletin 130 series of reports not previously published in Bulletin 130-66, Volume IV.

For other corrections and revisions to previously published reports dating back to 1924, refer to page 160, Table B-11, Bulletin 130-66, Volume IV.

TABLE B-11

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS

| LOCATION OF ERROR | | | ITEM | CHANGE | |
|-------------------|-------------|--|--|---|---|
| PAGE | MILE & BANK | NAME | | FROM | TO |
| | | Bulletin No. 130-63 Hydrologic Data <u>1963</u> Volume IV, San Joaquin Valley | | | |
| B-19 | | Table B-9 Miami Creek near Oakhurst | Maximum Discharge 1963 Water Year | 1140E | 804 |
| | | | Maximum Discharge of record | 1140E | 804 |
| B-29 | | Table B-19 Bear Creek near Cathay | Maximum Discharge flow 1963 Water gage ht. Year | 3850E 9.98 | 4170E 10.07 |
| | | | Maximum Discharge flow of record gage ht. | 3850E 9.98 | 4170E 10.07 |
| | | Bulletin No. 130-64 Hydrologic Data <u>1964</u> Volume IV, San Joaquin Valley | | | |
| 68 | | Table B-4 Miami Creek near Oakhurst | Maximum Discharge of record | 1140E | 804 |
| 78 | | Table B-4 Bear Creek near Catheys Valley | Maximum Discharge flow of record gage ht. | 3850E 9.98 | 4170E 10.07 |
| | | Bulletin No. 130-65 Hydrologic Data <u>1965</u> Volume IV, San Joaquin Valley | | | |
| 61 | | Table B-5 Miami Creek near Oakhurst | Maximum Discharge of record | 1140E | 804 |
| 72 | | Table B-5 Bear Creek near Catheys Valley | Maximum Discharge flow of record gage ht. date | 4166E 9.97 1-7-65 | 4170E 10.07 2-1-63 |
| 82 | | Table B-5 Orestimba Creek near Crows Landing | Daily Mean Discharge Jan. 8 9 10 11 12 13 14 15 16 17 | 0.0 B 0.0 A 0.0 C 0.0 K 0.0 W 0.0 A 0.0 T 0.0 E 0.0 R 0.0 | NR NR NR NR NR NR NR NR NR NR |
| 115 | 112.55R | Table B-7 Diversions - San Joaquin River | L. A. Thompson | Delete Entire Line | |
| | | Bulletin No. 130-66 Hydrologic Data <u>1966</u> Volume IV, San Joaquin Valley | | | |
| 76 | | Table B-4 Bear Creek near Catheys Valley | Maximum Discharge flow of record gage ht. date | 4166E 9.97 1-7-65 | 4170E 10.07 2-1-63 |
| 78 | | Table B-4 Burns Creek at Hornitos | Maximum Discharge 1966 Water Year | 1330E | 2020E |
| 133 | | Table B-9 Exports from Tuolumne River | Total acre-feet Oct. Nov. Dec. Jan. Feb. March April May June July Aug. Sept. Total | 15655 12685 14987 7812 11913 15566 11060 15208 18388 21398 21312 19498 185482 | 15696 12721 15023 7851 11946 12607 11106 15260 18438 21462 21379 19552 183041 |

APPENDIX C
GROUND WATER MEASUREMENT

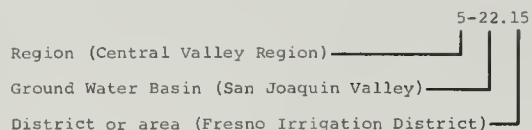
INTRODUCTION

The Department of Water Resources cooperates with the U. S. Geological Survey, U. S. Bureau of Reclamation, irrigation and water storage districts, and other local agencies for the systematic observation of ground water levels. The Department obtains approximately 13,000 water level measurements annually on some 7,500 wells in the San Joaquin Valley. The period of record for these wells varies from one to over 40 years. In preparation of the ground water maps most of the spring well measurements were used. However, because significant trends in water level fluctuations can be indicated by a representative sample, a selection was made of approximately 800 wells for reporting of actual measurements.

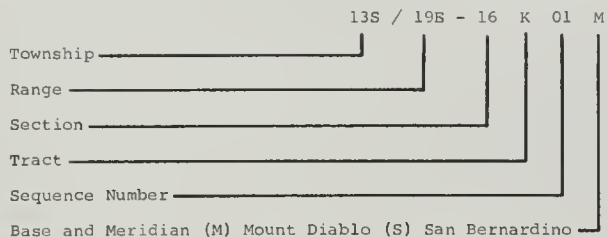
This appendix presents ground water measurement data on these 800 wells for the period October 1, 1966, through September 30, 1967. These wells were selected as being representative of all the wells measured in the area and are designated as selected wells. Their selection is based on a number of factors, including areal distribution, length of water level record, frequency of measurements, conformity with respect to water level fluctuation in the ground water basin or area in a confined aquifer, or in a zone of shallow depth, and availability of a log, mineral analyses, and production record.

Two numbering systems are used by the Department to facilitate processing of water level measurement data. The two systems are the Region and Basin Designation and the State Well Numbering System as described below.

The regions used in this report are geographic areas defined in Section 13040 of the Water Code. That portion of California covered by this volume comprises the southern portion of Central Valley Region No. 5. A decimal system of the form 0-00.00 has been selected according to geographic regions, ground water basins, and district or area as follows:



The State Well Numbering System is based on township, range, and section subdivisions of the Public Land Survey. The number of a well, assigned in accordance with this system, is referred to as the State Well Number, as illustrated below:



This number identifies and locates the well. In the example, the well is in Township 13 South, Range 19 East, Tract K of Section 16, located in the Mount Diablo Base and Meridian. A section is divided into 40-acre tracts as follows:

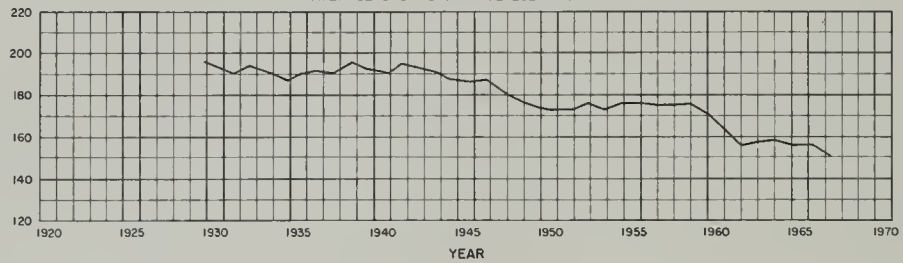
| | | | |
|---|---|---|---|
| D | C | E | A |
| E | F | G | H |
| M | L | K | J |
| N | P | Q | R |

Sequence numbers in a tract are generally assigned in chronological order. The example designates the first well to be assigned a number in Tract K.

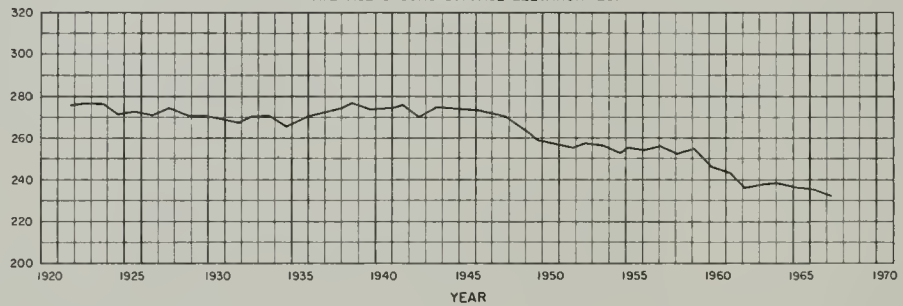
Figure C-I. FLUCTUATION OF AVERAGE WATER LEVEL IN SELECTED AREAS

ELEVATION IN FEET - U.S.C. & G.S. DATUM

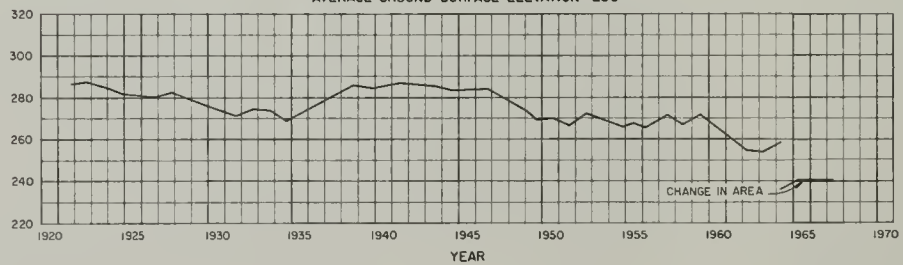
MADERA GROUND WATER AREA
 AREA 342.6 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 233'



FRESNO GROUND WATER AREA
 AREA 404.0 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 291'



CONSOLIDATED GROUND WATER AREA
 AREA 243.0 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 296'



CENTERVILLE BOTTOMS GROUND WATER AREA
 AREA 18.15 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 363'

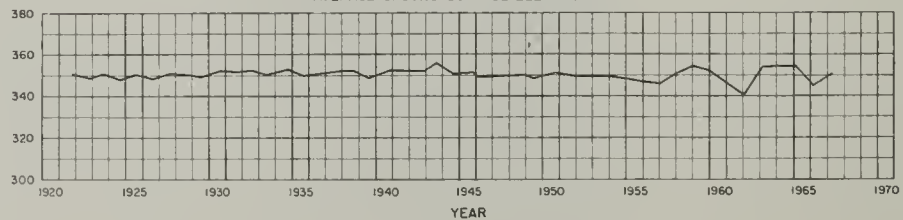
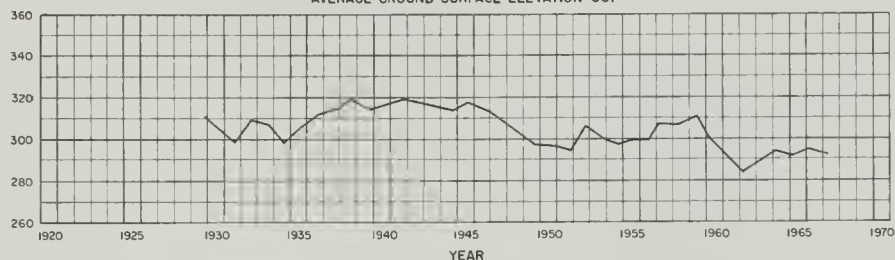


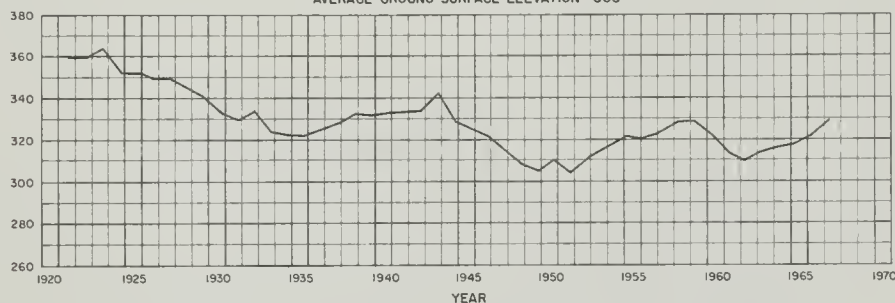
Figure C-1 (Continued). FLUCTUATION OF AVERAGE WATER LEVEL IN SELECTED AREAS

ELEVATION IN FEET - U.S.C. & G.S. DATUM

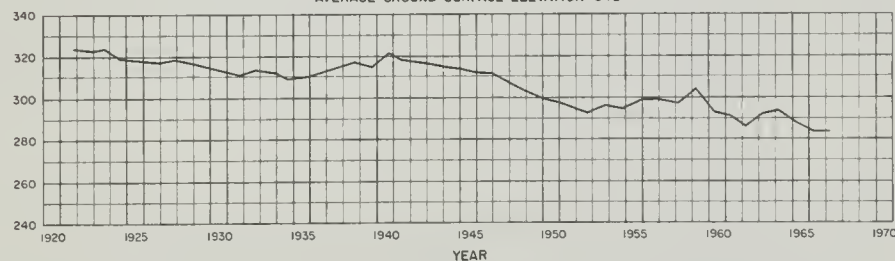
ALTA GROUND WATER AREA
 AREA 190.93 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 331'



IVANHOE GROUND WATER AREA
 AREA 17.37 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 383'



OUTSIDE IVANHOE GROUND WATER AREA
 AREA 76.65 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 345'



MILL CREEK GROUND WATER AREA
 AREA 128.25 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 305'

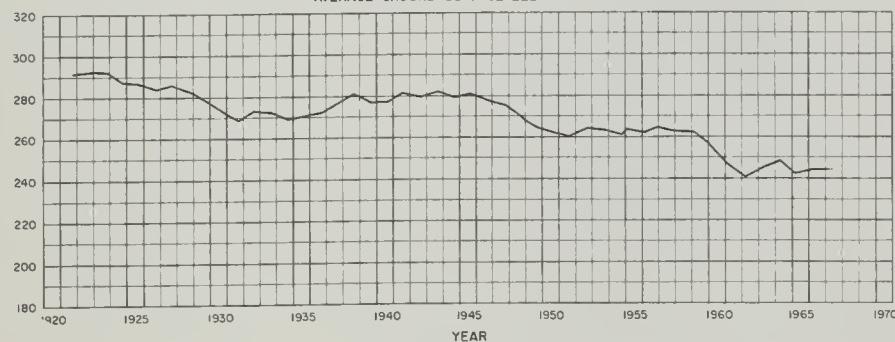
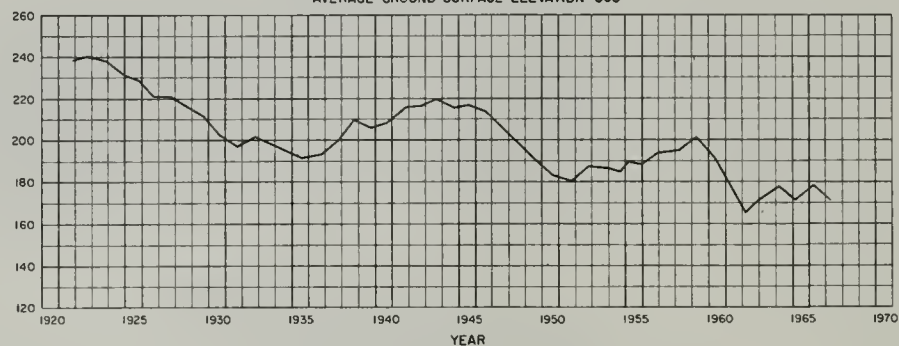


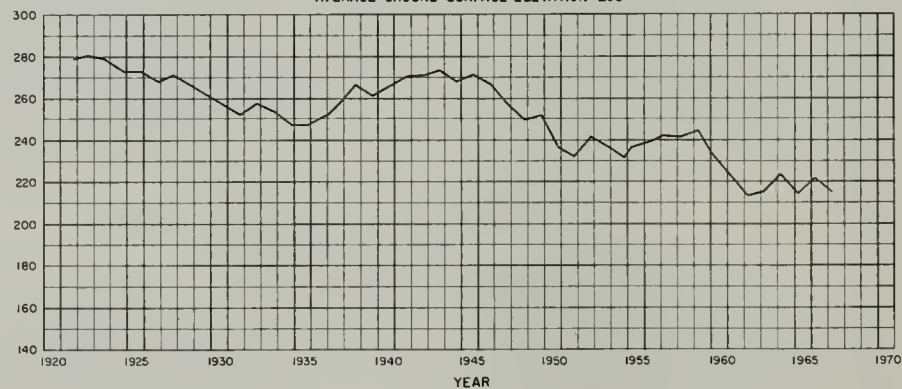
Figure C-1 (Continued). FLUCTUATION OF AVERAGE WATER LEVEL IN SELECTED AREAS

U. S. C. & G. S. DATA IN FEET ELEVATION

TULARE GROUND WATER AREA
 AREA 121.07 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 363'



ELK BAYOU GROUND WATER AREA
 AREA 67.6 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 295'



LINDSAY-EXETER GROUND WATER AREA
 AREA 136.43 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 377'

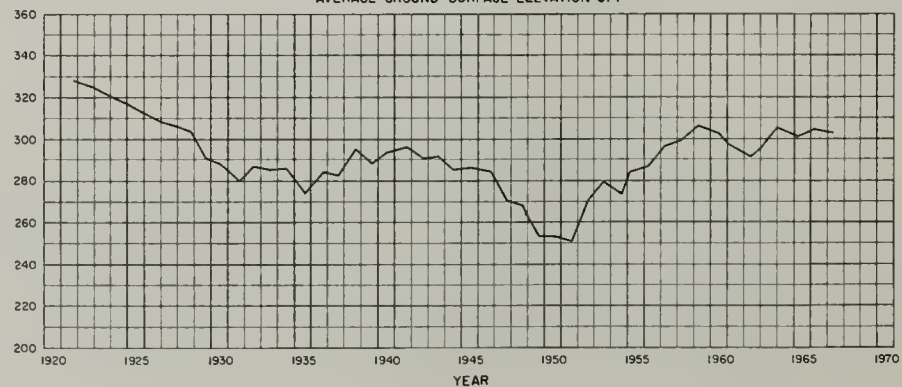


Figure C-1 (Continued). FLUCTUATION OF AVERAGE WATER LEVEL IN SELECTED AREAS

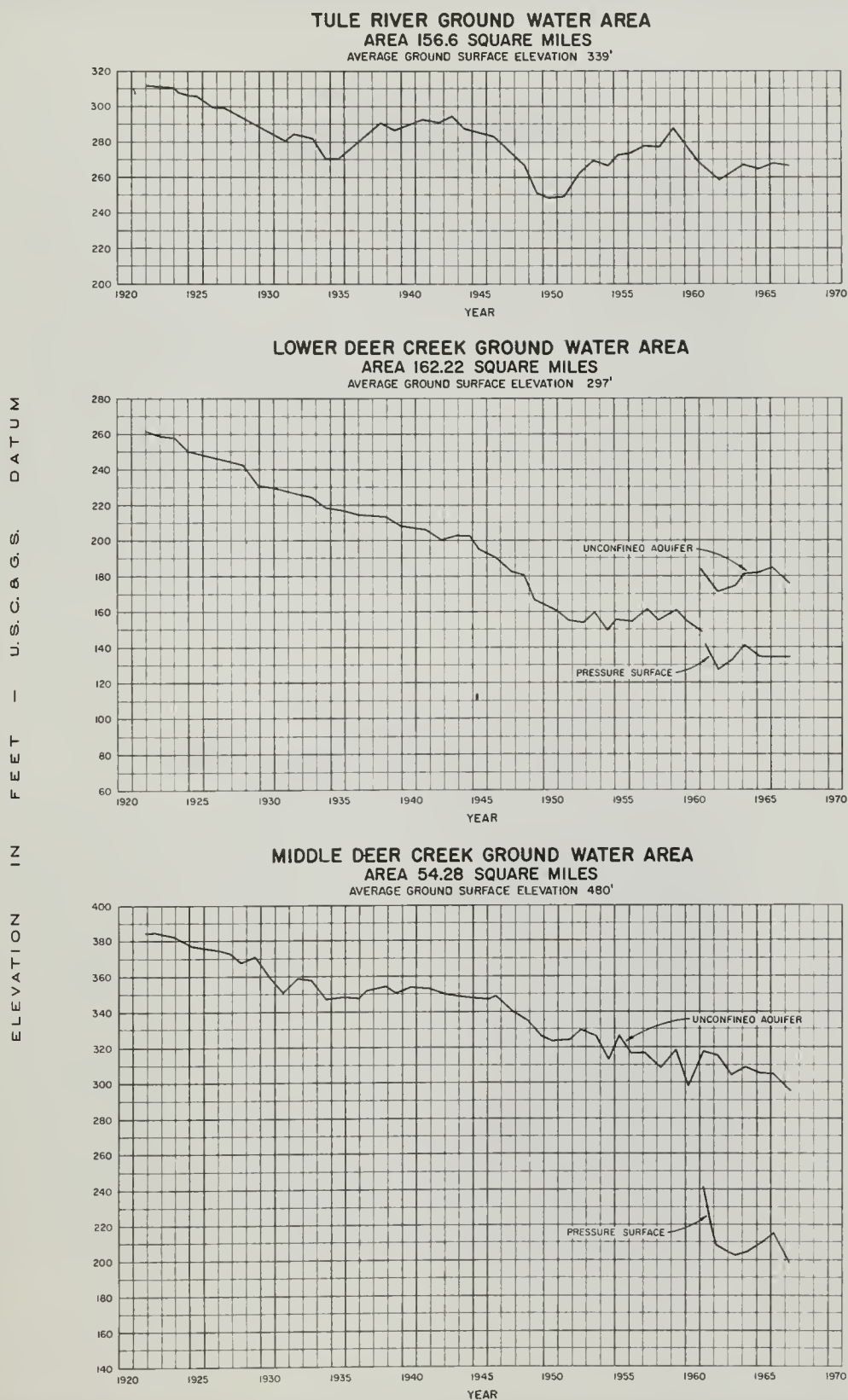


Figure C-1 (Continued). FLUCTUATION OF AVERAGE WATER LEVEL IN SELECTED AREAS

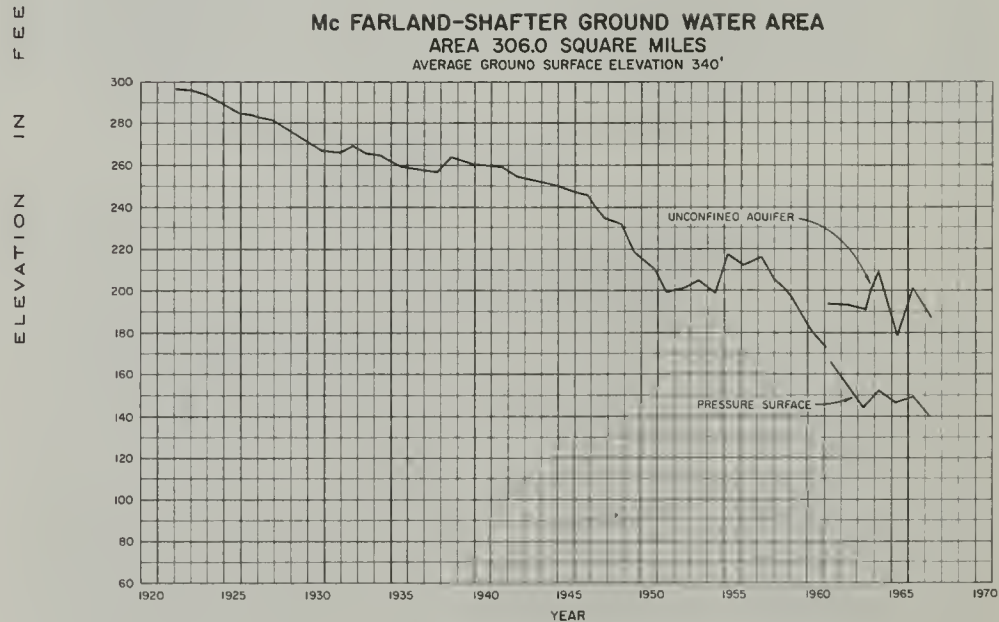
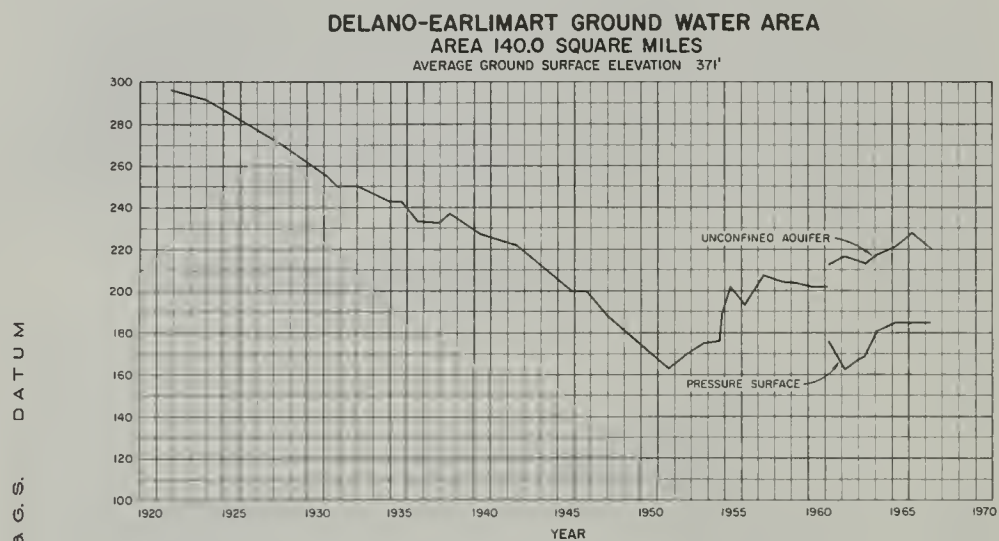
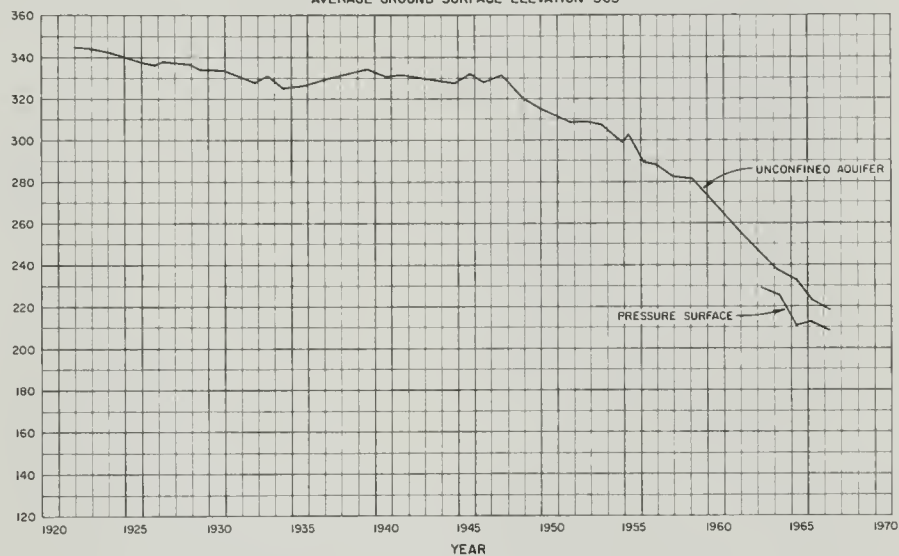


Figure C-1 (Continued). FLUCTUATION OF AVERAGE WATER LEVEL IN SELECTED AREAS

ELEVATION IN FEET - U.S.C. & G.S. DATUM

ROSEDALE GROUND WATER AREA
 AREA 78.88 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 363'



ARVIN-EDISON GROUND WATER AREA
 AREA 205.18 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 543'

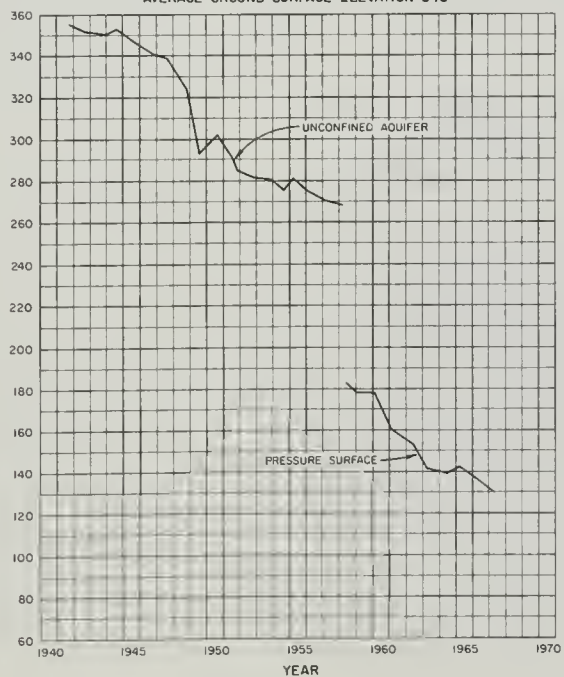


Figure C-2. FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

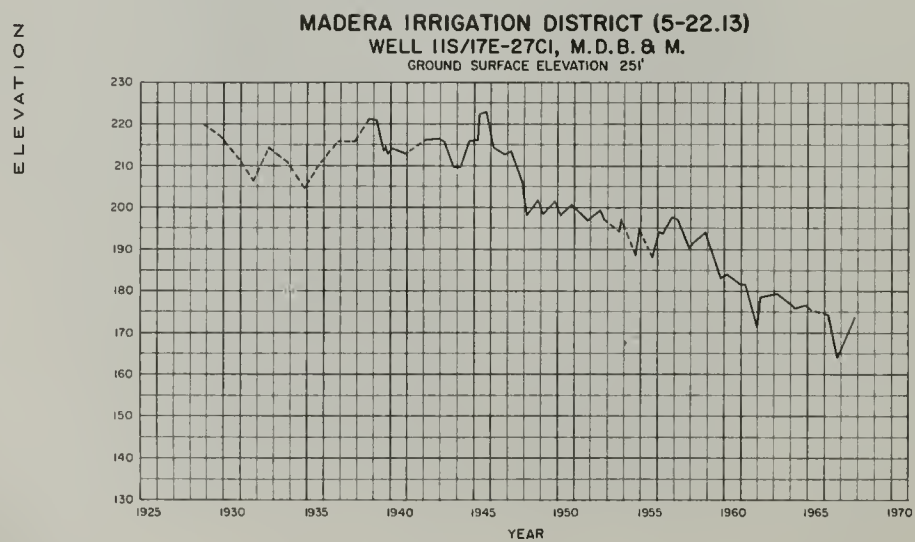
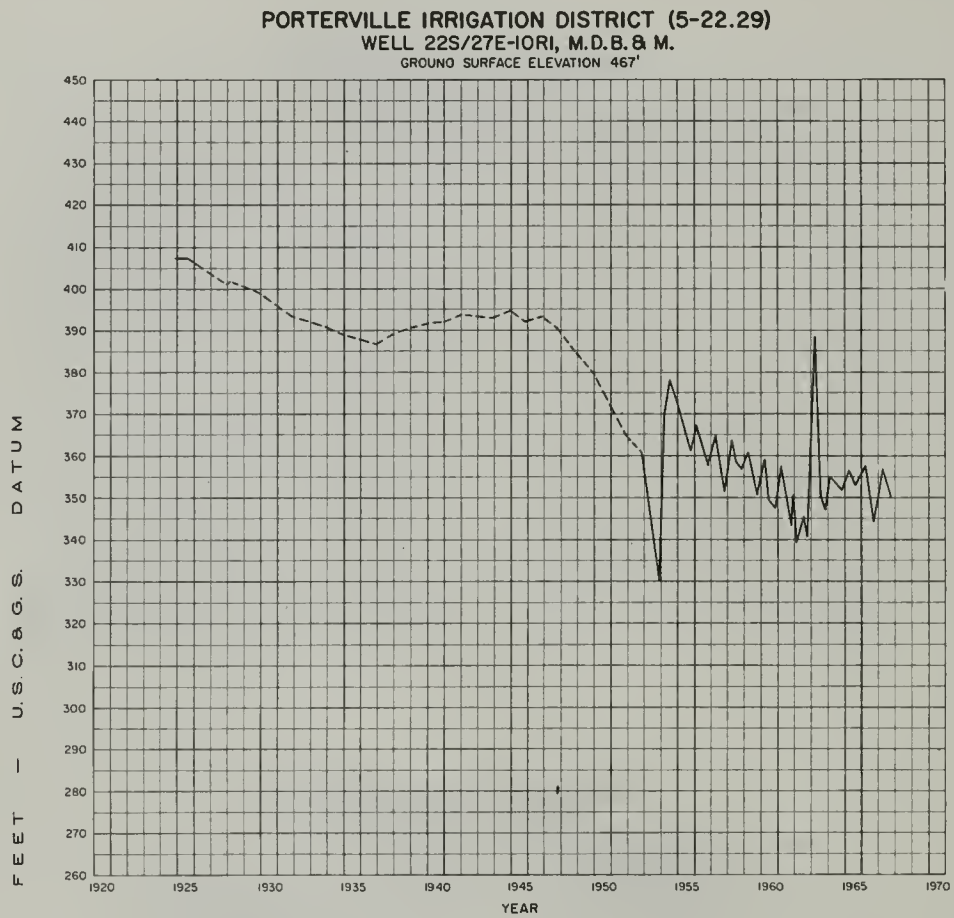


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

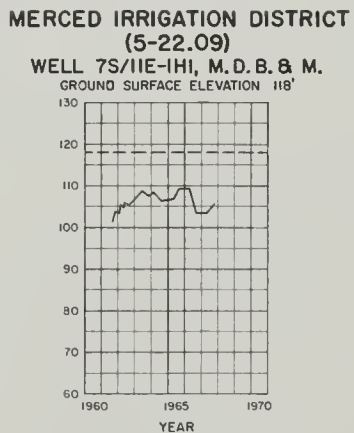
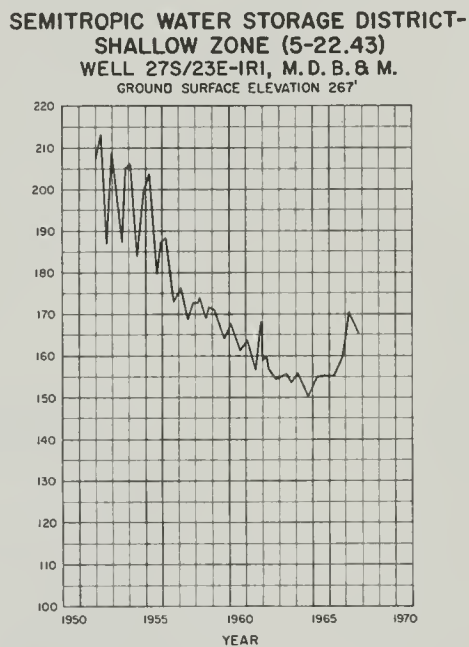
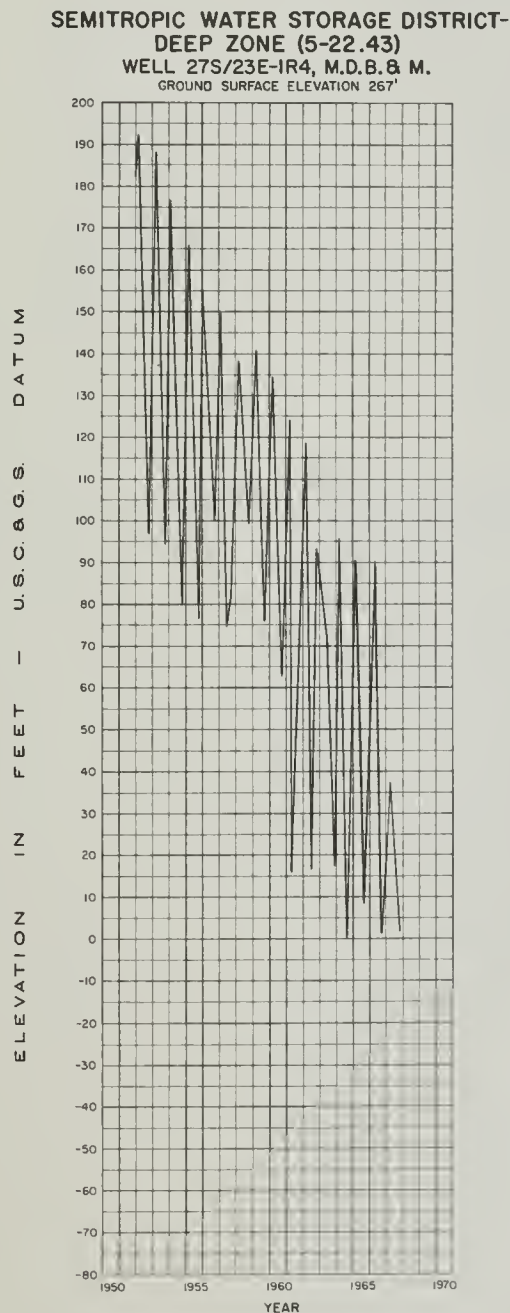
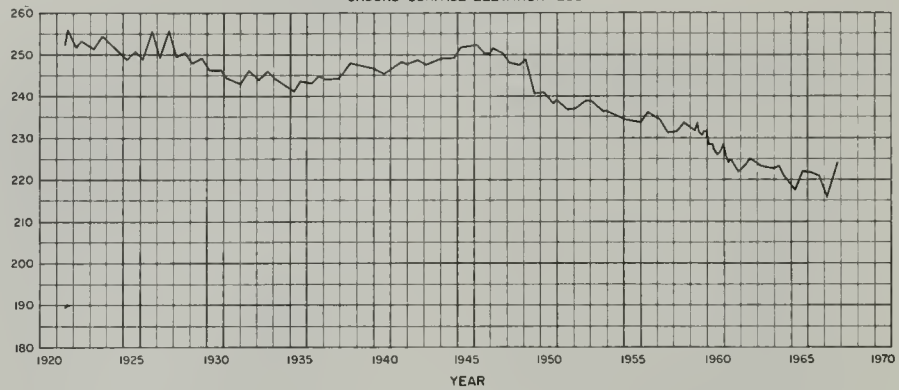


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION IN FEET - U.S.C. & G.S. DATUM

FRESNO IRRIGATION DISTRICT (5-22.15)
WELL 13S/19E-9Q1, M.D.B. & M.
 GROUND SURFACE ELEVATION 288'



NORTH KERN WATER STORAGE DISTRICT (5-22.37)
WELL 27S/25E-22A1, M.D.B. & M.
 GROUND SURFACE ELEVATION 392'

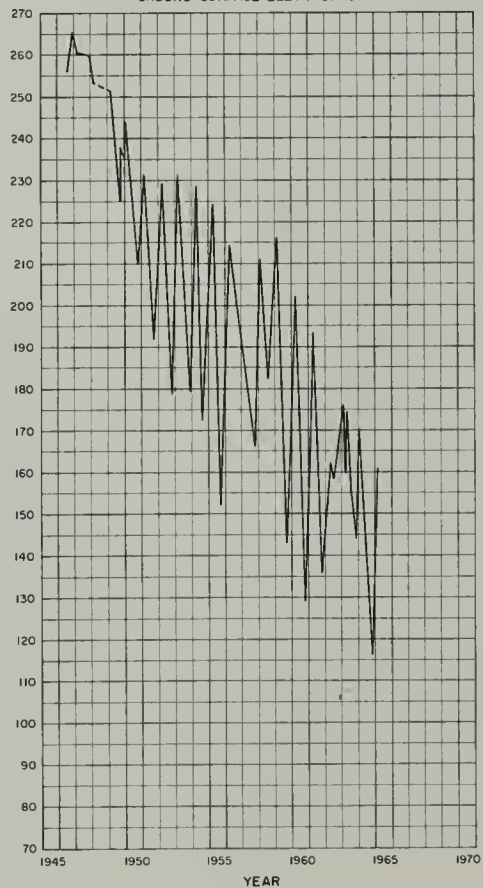
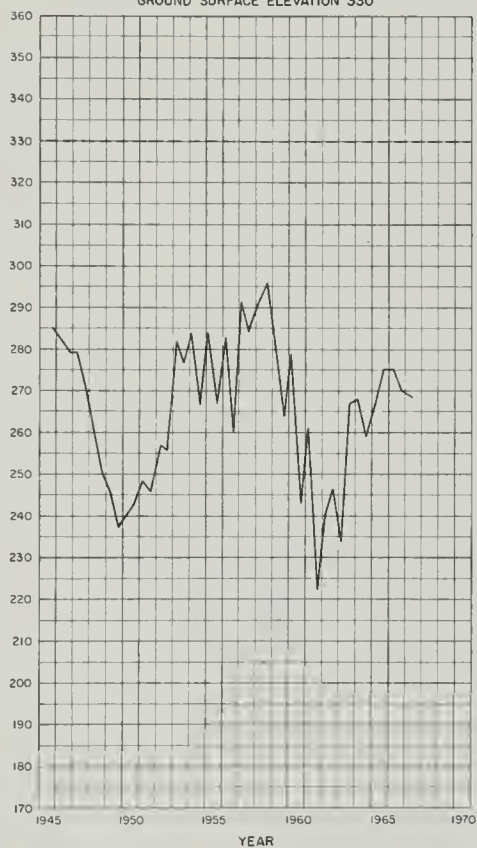


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION IN FEET U.S.C. & G.S. DATUM

LOWER TULE RIVER IRRIGATION DISTRICT (5-22.30)
WELL 2IS/26E-7AI, M.D.B. & M.
 GROUND SURFACE ELEVATION 330'



OAKDALE IRRIGATION DISTRICT (5-22.06)
WELL 2S/10E-33JI, M.D.B. & M.
 GROUND SURFACE ELEVATION 167'

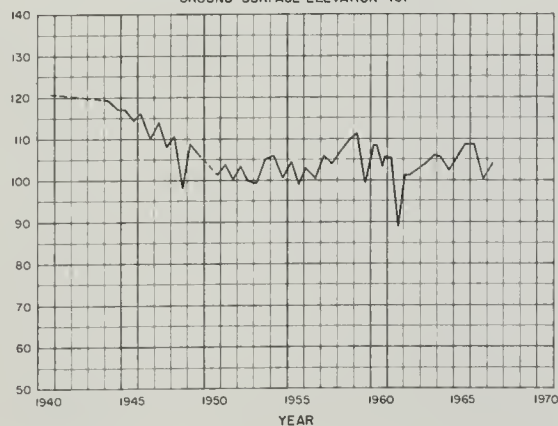
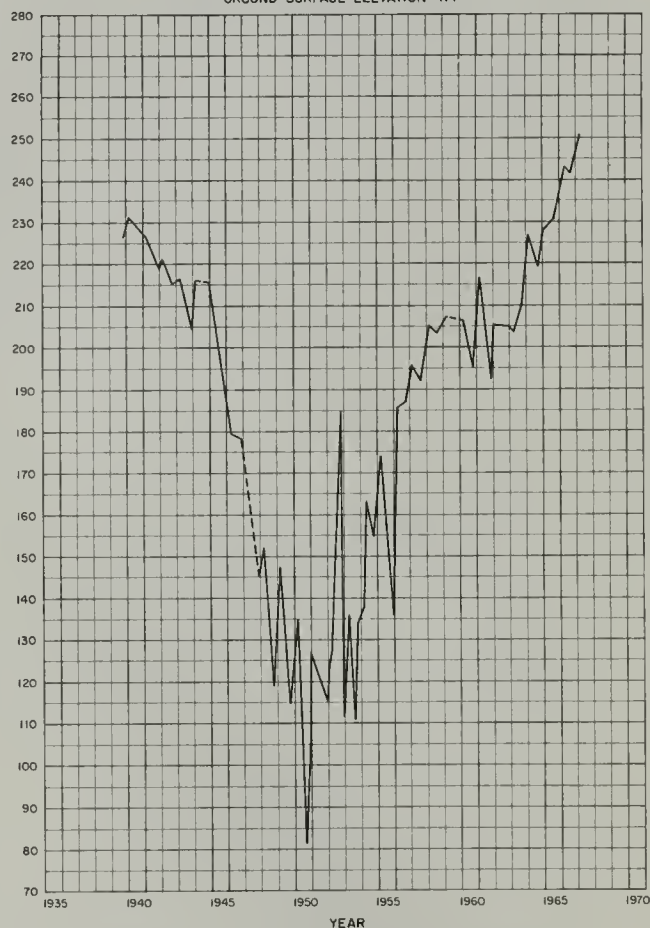


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION IN FEET - U.S.C. & G.S. DATUM

SOUTHERN SAN JOAQUIN MUNICIPAL UTILITY DISTRICT (5-22.36)
WELL 25S/26E-28H2, M.D.B. & M.
 GROUND SURFACE ELEVATION 414'



AVENAL-Mc KITTRICK AREA (5-22.44)
WELL 25S/19E-20Q2 M.D.B. & M.
 GROUND SURFACE ELEVATION 480'

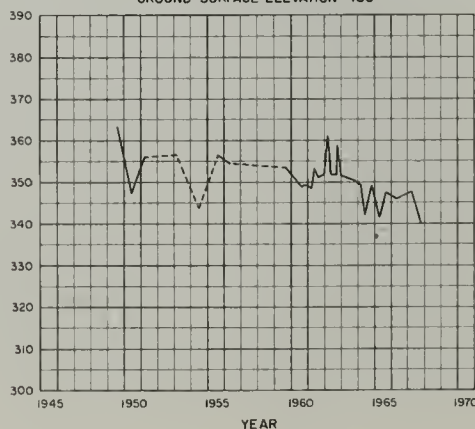
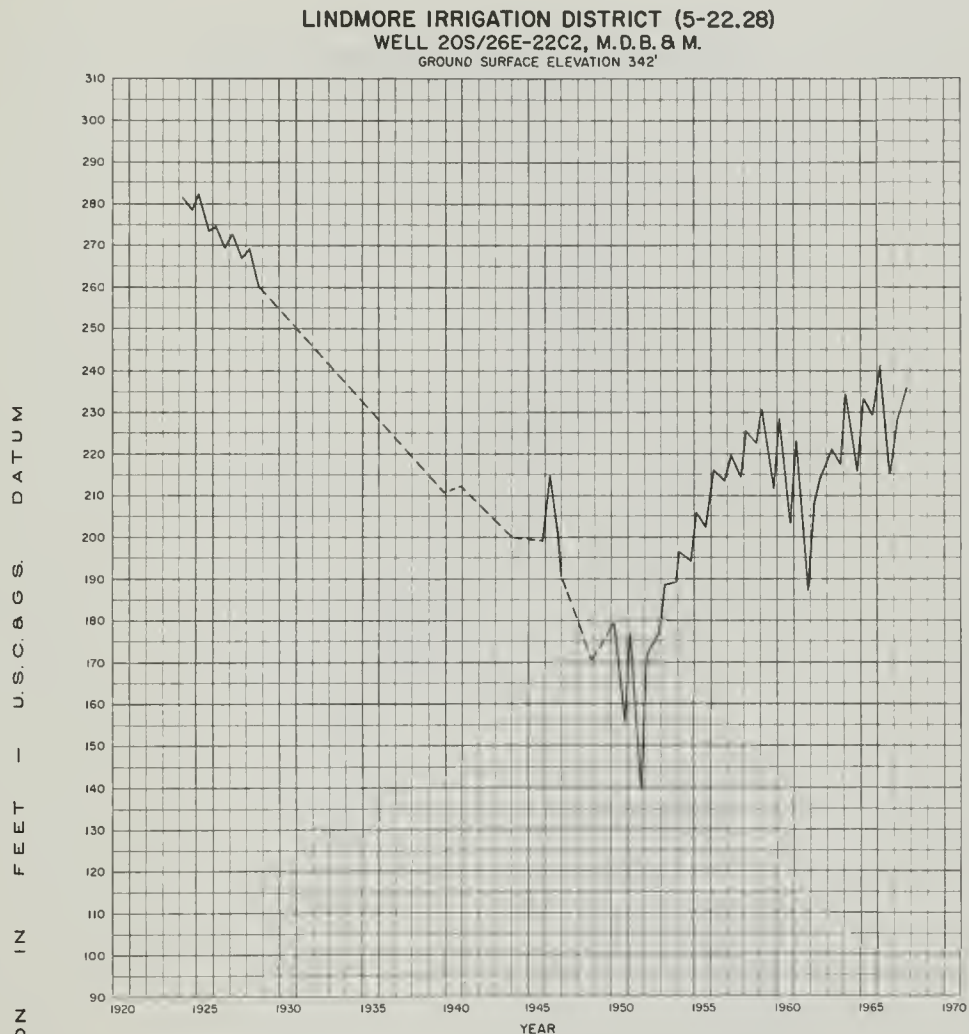
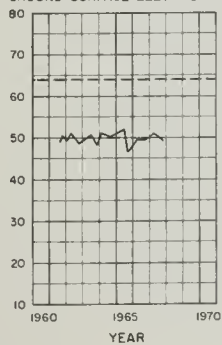


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS



MODESTO IRRIGATION DISTRICT (5-22.07)

WELL 3S/8E-22C2, M.D.B. & M.
 GROUND SURFACE ELEVATION 64'



TURLOCK IRRIGATION DISTRICT (5-22.08)

WELL 5S/9E-4A1, M.D.B. & M.
 GROUND SURFACE ELEVATION 70'

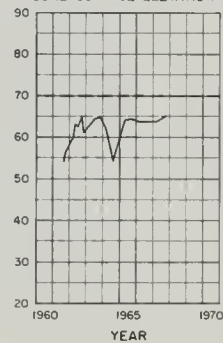
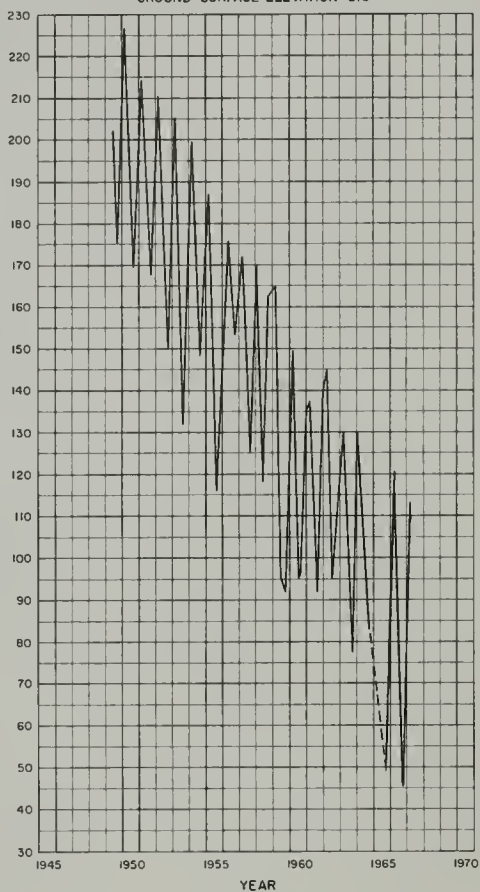


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION
IN
FEET
—
U.S.C. & G.S.
DATUM

SHAFTER-WASCO IRRIGATION DISTRICT (5-22.38)
WELL 27S/24E-35C1, M.D.B. & M.
 GROUND SURFACE ELEVATION 316'



DELTA-MENDOTA AREA-SHALLOW ZONE (5-22.11)
WELL 3S/6E-18N1, M.D.B. & M.
 GROUND SURFACE ELEVATION 99'

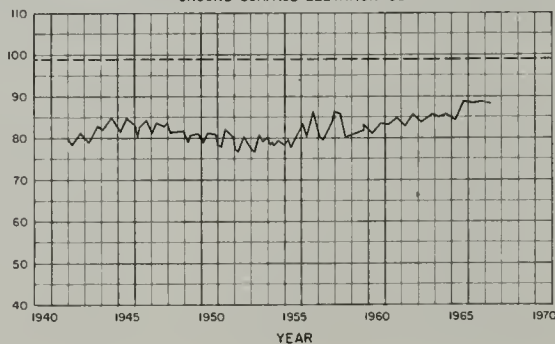
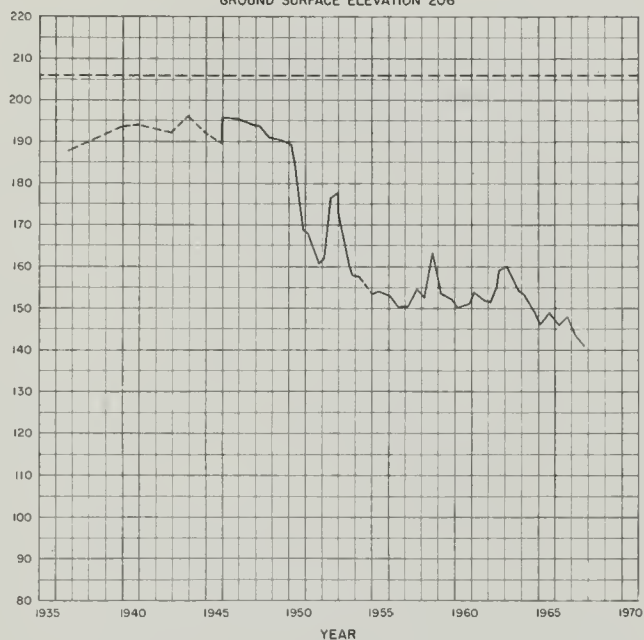


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION IN FEET - U.S.C&G.S. DATUM

ALPAUGH-AlLENSWORTH AREA (5-22.34)
WELL 24S/23E-21B2, M.D.B. & M.
 GROUND SURFACE ELEVATION 206'



MENDOTA-HURON AREA (5-22.47)
WELL 17S/16E-24RI, M.D.B. & M.

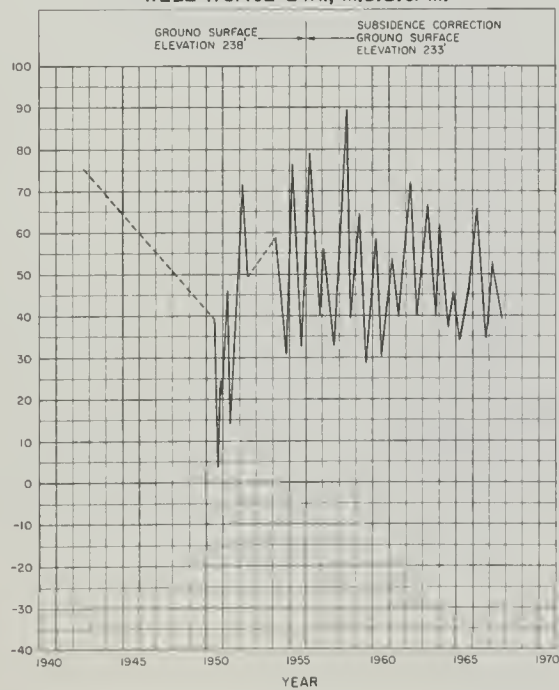


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

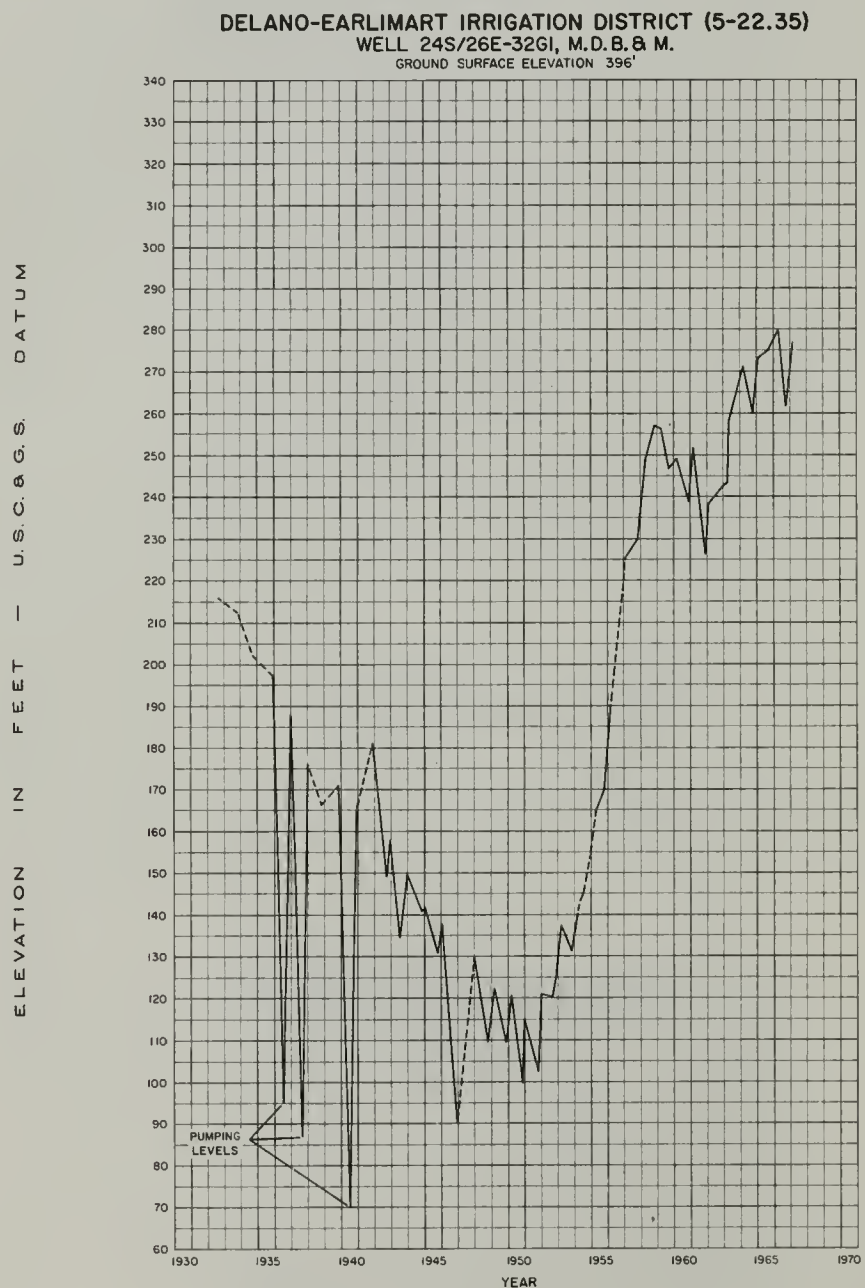


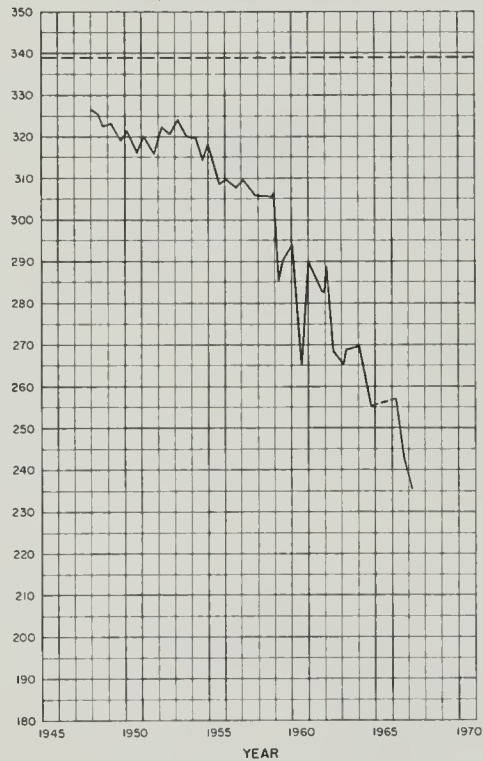
Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION
IN
FEET - U.S.C. & G.S. DATUM

KERN RIVER DELTA AREA (5-22.40)

WELL 30S/26E-27A1, M.D.B. & M.

GROUND SURFACE ELEVATION 339'



**STONE CORRAL
IRRIGATION DISTRICT (5-22.22)**

WELL 16S/26E-32R1, M.D.B. & M.

GROUND SURFACE ELEVATION 405'

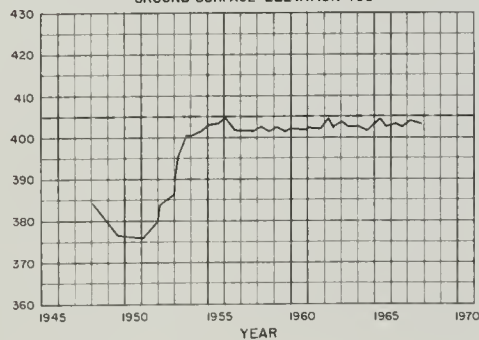
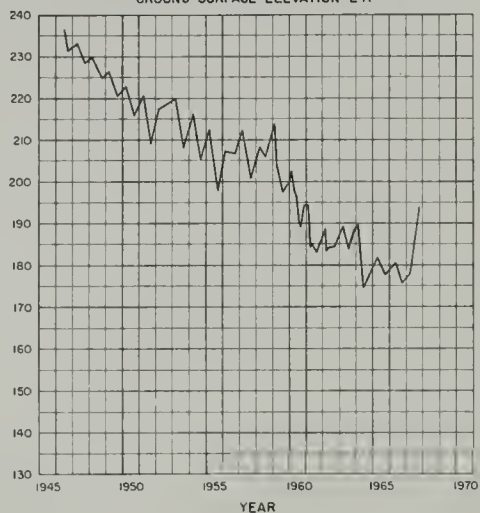


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION IN FEET - U.S.C. & G.S. DATUM

CONSOLIDATED IRRIGATION DISTRICT (5-22.18)
WELL 16S/20E-22NI, M.D.B. & M.
 GROUND SURFACE ELEVATION 247'



SAUCELITO IRRIGATION DISTRICT (5-22.32)
WELL 22S/26E-15JI, M.D.B. & M.
 GROUND SURFACE ELEVATION 371'

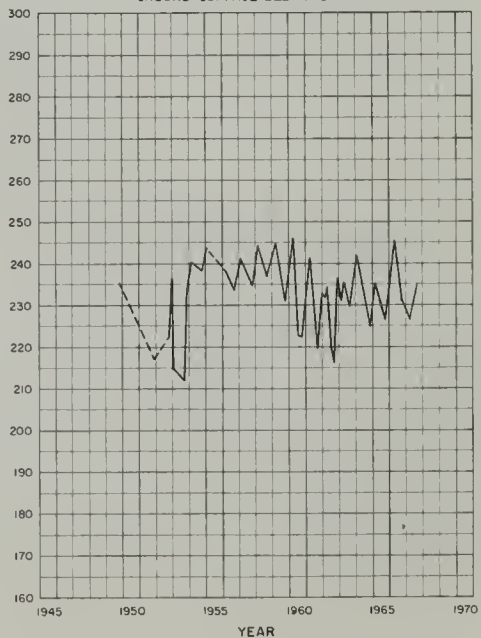


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

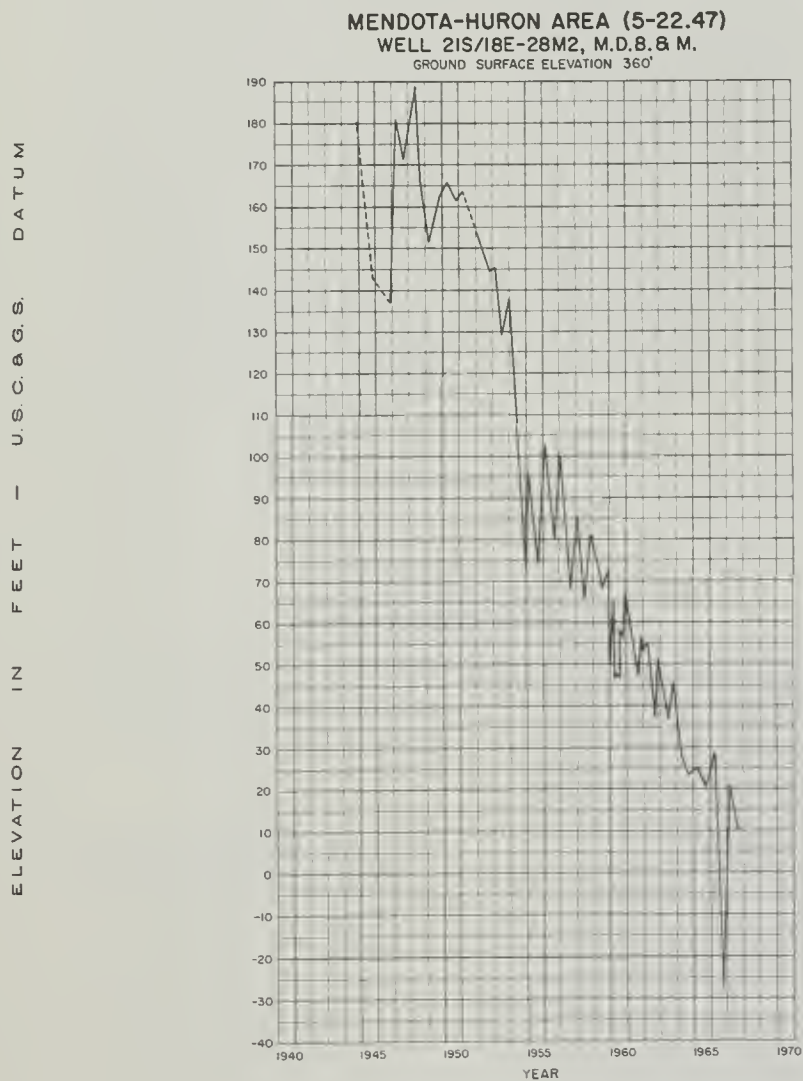
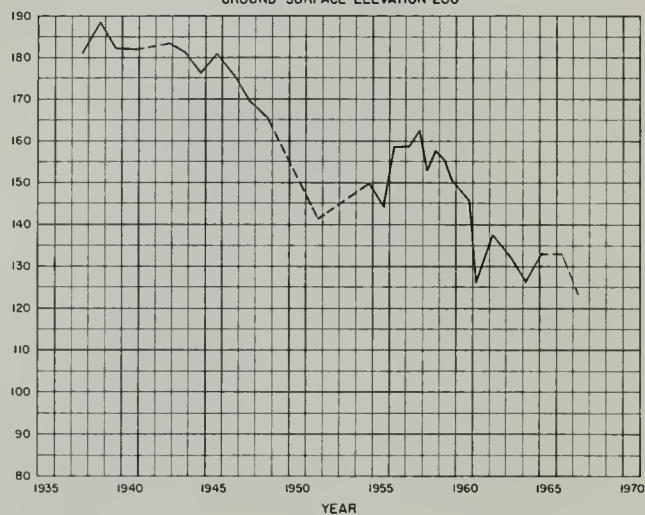


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION IN FEET - U.S.C. & G.S. DATUM

FRESNO SLOUGH AREA (5-22.17)
WELL 17S/18E-23A2, M.D.B. & M.
 GROUND SURFACE ELEVATION 200'



EXETER IRRIGATION DISTRICT (5-22.26)
WELL 18S/27E-29D1, M.D.B. & M.
 GROUND SURFACE ELEVATION 446'

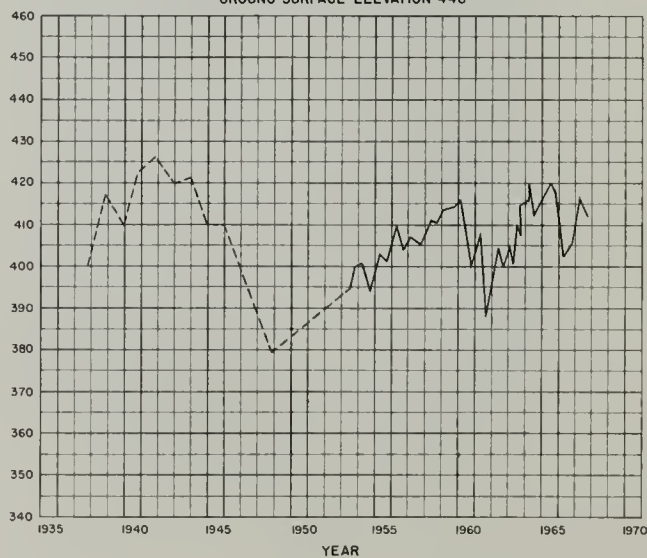


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

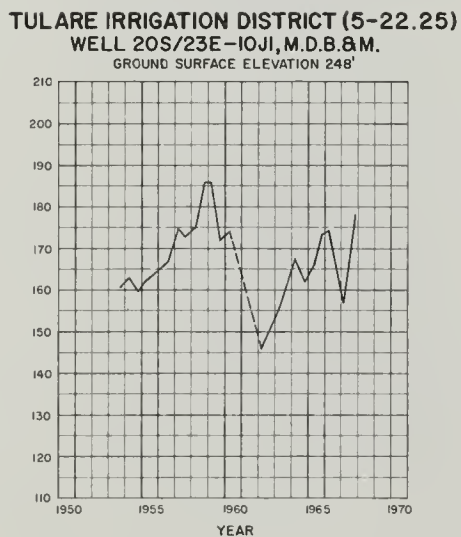
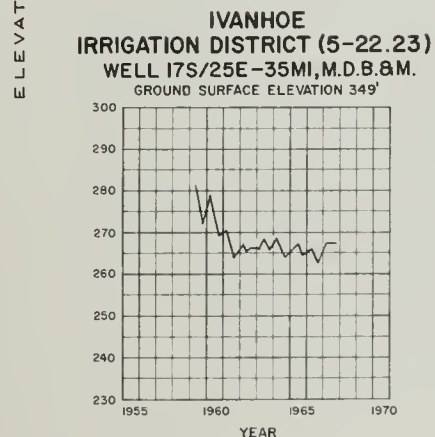
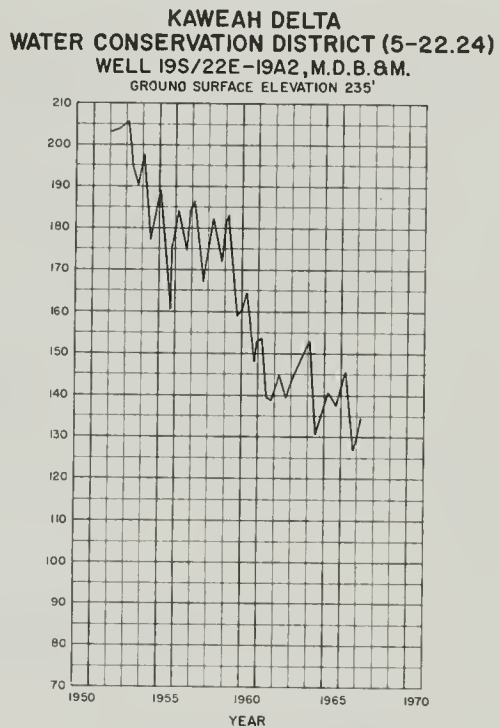
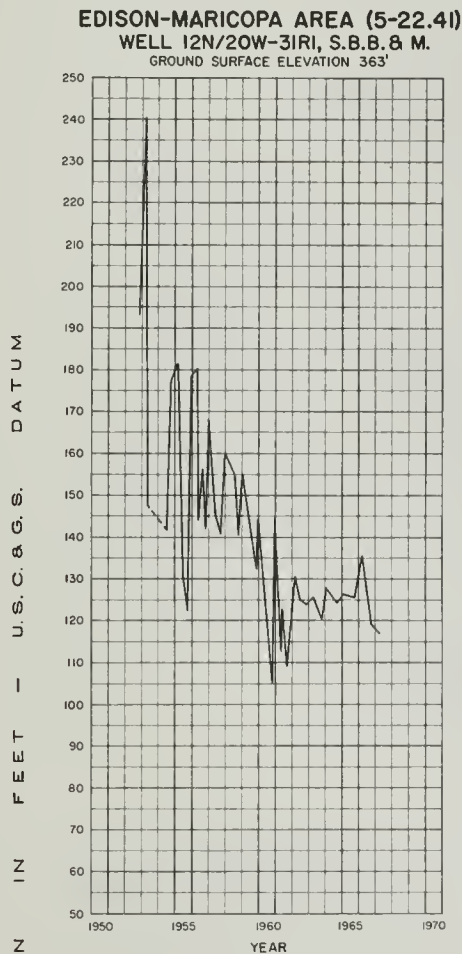


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

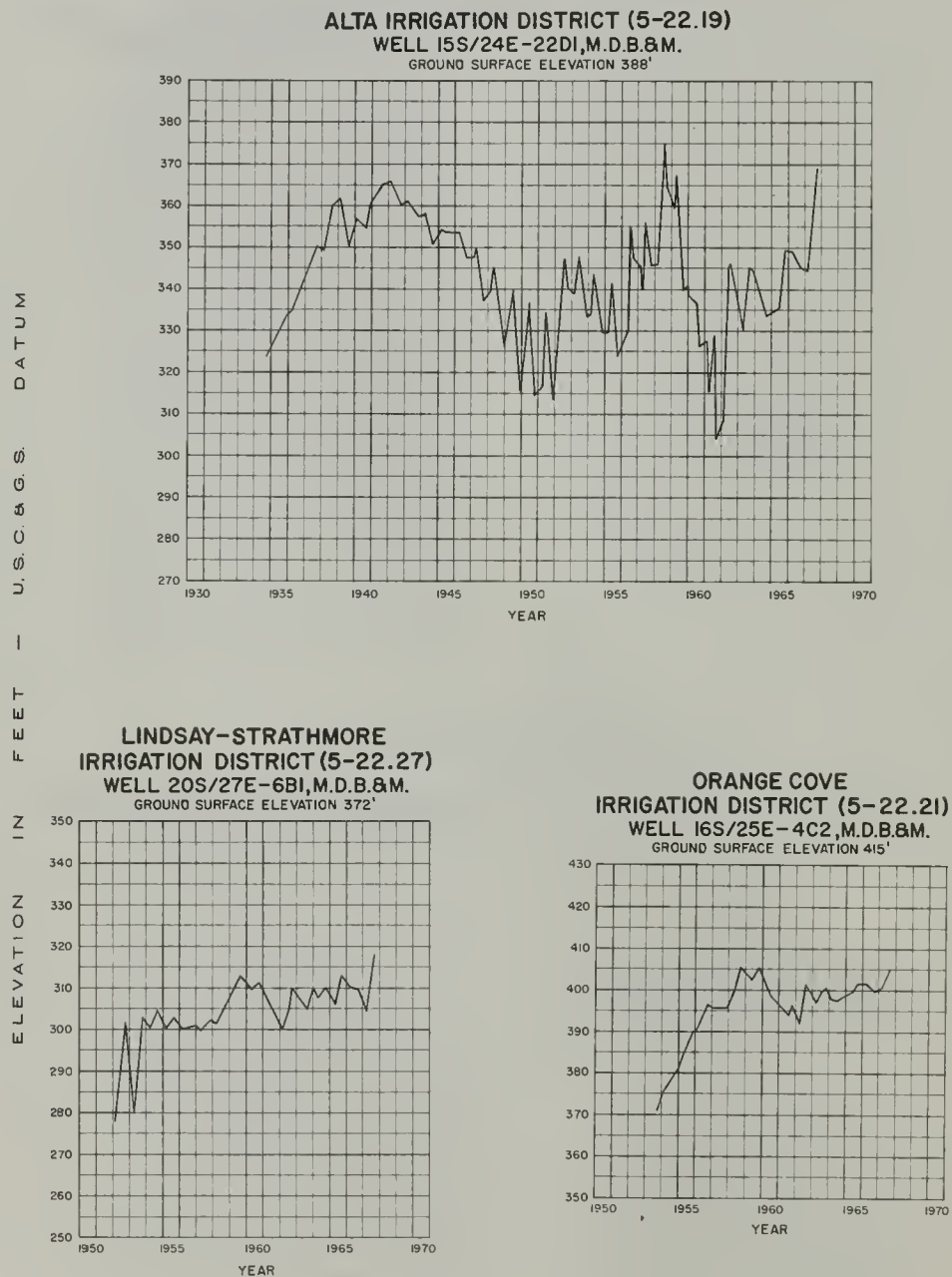


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

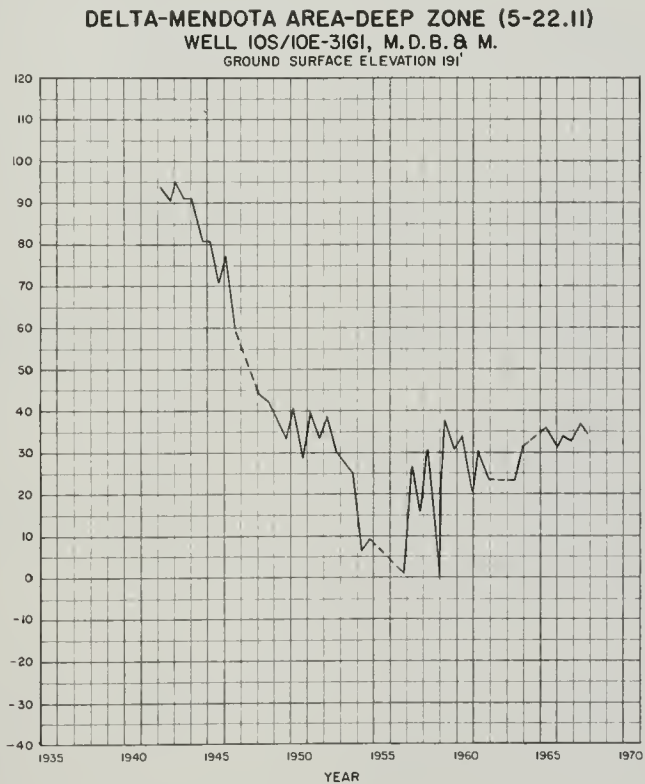
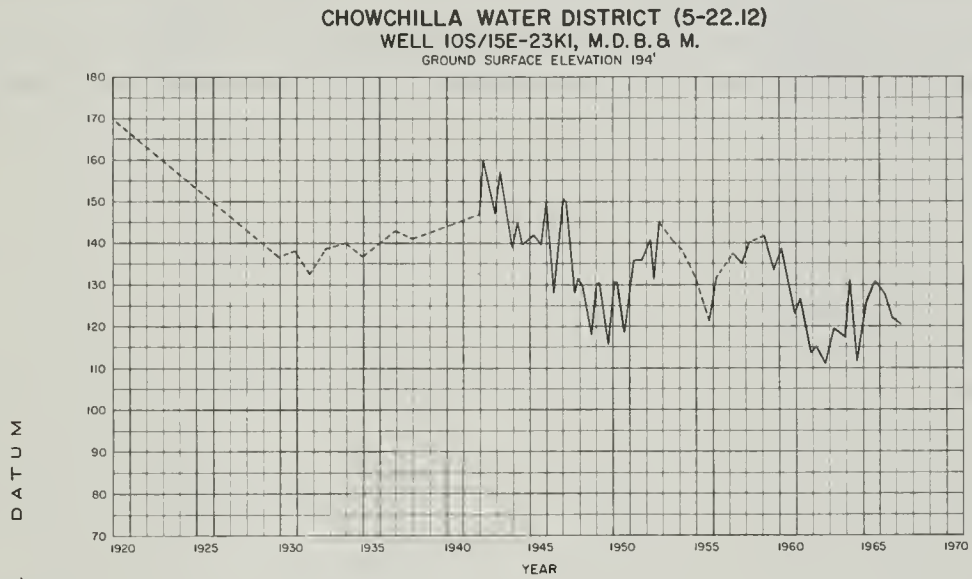


TABLE C-1
CHANGE IN AVERAGE GROUND WATER LEVEL
IN DISTRICTS OR AREAS IN THE SAN JOAQUIN VALLEY
Spring 1966 - Spring 1967

| Ground Water Districts or Areas | | Number of Wells Considered in Analysis | Change in Feet |
|--|---------|--|----------------|
| Name | Number | | |
| San Joaquin Valley | 5-22.00 | | |
| Tracy Area | 5-22.04 | 18 | - 0.1 |
| Oakdale Irrigation District | 5-22.06 | <u>a/</u> | - 1.4 |
| Modesto Irrigation District | 5-22.07 | <u>a/</u> | - 0.3 |
| Turlock Irrigation District | 5-22.08 | <u>a/</u> | - 0.7 |
| Merced Irrigation District | 5-22.09 | <u>a/</u> | - 1.5 |
| El Nido Irrigation District | 5-22.10 | <u>a/</u> | - 4.3 |
| Delta-Mendota Area | 5-22.11 | 467 | + 1.80 |
| Chowchilla Water District | 5-22.12 | <u>a/</u> | - 1.1 |
| Madera Irrigation District | 5-22.13 | <u>a/</u> | - 2.5 |
| West Chowchilla-Madera Area | 5-22.14 | <u>a/</u> | - 3.5 |
| Fresno Irrigation District | 5-22.15 | <u>a/</u> | - 1.6 |
| City of Fresno | 5-22.16 | 60 | - 0.9 |
| Fresno Slough Area | 5-22.17 | <u>a/</u> | - 6.0 |
| Consolidated Irrigation District | 5-22.18 | <u>a/</u> | - 0.8 |
| Alta Irrigation District | 5-22.19 | <u>a/</u> | - 3.5 |
| Lower Kings River Area | 5-22.20 | | |
| Shallow Zone | | <u>a/</u> | - 2.3 |
| Deep Zone | | <u>a/</u> | -13.6 |
| Orange Cove Irrigation District | 5-22.21 | 100 | - 0.4 |
| Stone Corral Irrigation District | 5-22.22 | 9 | + 0.1 |
| Ivanhoe Irrigation District | 5-22.23 | <u>a/</u> | - 3.6 |
| Kaweah-Delta Water Conservation District | 5-22.24 | <u>a/</u> | - 2.0 |
| Tulare Irrigation District | 5-22.25 | <u>a/</u> | - 6.2 |
| Exeter Irrigation District | 5-22.26 | <u>a/</u> | - 6.1 |
| Lindsay-Strathmore Irrigation District | 5-22.27 | 20 | - 3.2 |
| Lindmore Irrigation District | 5-22.28 | <u>a/</u> | + 2.9 |
| Porterville Irrigation District | 5-22.29 | <u>a/</u> | + 1.4 |
| Lower Tule River Irrigation District | 5-22.30 | | |
| Shallow Zone | | <u>a/</u> | - 4.8 |
| Deep Zone | | <u>a/</u> | + 9.6 |
| Vandalia Irrigation District | 5-22.31 | 4 | - 3.6 |
| Saucelito Irrigation District | 5-22.32 | | |
| Shallow Zone | | <u>a/</u> | - 3.9 |
| Deep Zone | | <u>a/</u> | - 4.6 |
| Pixley Irrigation District | 5-22.33 | | |
| Shallow Zone | | <u>a/</u> | - 7.8 |
| Deep Zone | | <u>a/</u> | - 6.2 |

TABLE C-1 (Cont.)

CHANGE IN AVERAGE GROUND WATER LEVEL
IN DISTRICTS OR AREAS IN THE SAN JOAQUIN VALLEY
Spring 1966 - Spring 1967

| Ground Water Districts or Areas | | Number of Wells Considered in Analysis | Change in Feet |
|---|---------|--|---------------------|
| Name | Number | | |
| San Joaquin Valley (Continued) | | | |
| Alpaugh-Allensworth Area | 5-22.34 | | |
| Shallow Zone | | a/ | - 6.6 |
| Deep Zone | | a/ | + 3.9 |
| Delano-Earlimart Irrigation District | 5-22.35 | | |
| Shallow Zone | | a/ | -10.2 |
| Deep Zone | | a/ | + 2.1 |
| Southern San Joaquin Municipal Utility District | 5-22.36 | | |
| Shallow Zone | | a/ | - 6.2 |
| Deep Zone | | a/ | -10.9 |
| North Kern Water Storage District | 5-22.37 | | |
| Shallow Zone | | a/ | -16.2 |
| Deep Zone | | a/ | -12.9 |
| Shafter-Wasco Irrigation District | 5-22.38 | | |
| Shallow Zone | | a/ | -11.7 |
| Deep Zone | | a/ | - 6.8 |
| City of Bakersfield | 5-22.39 | 24 | - 3.3 |
| Kern River Delta Area | 5-22.40 | | |
| Shallow Zone | | a/ | - 0.5 |
| Deep Zone | | a/ | - 3.7 |
| Edison-Maricopa Area | 5-22.41 | | |
| Deep Zone | | a/ | - 9.0 |
| Buena Vista Water Storage District | 5-22.42 | a/ | + 1.4 |
| Semitropic Water Storage District | 5-22.43 | | |
| Shallow Zone | | a/ | - 4.9 |
| Deep Zone | | a/ | - 5.6 |
| Avenal-McKittrick Area | 5-22.44 | 24 | - 2.7 |
| Tulare Lake-Lost Hills Area | 5-22.45 | 14 | -26.0 |
| Corcoran Irrigation District | 5-22.46 | | |
| Shallow Zone | | a/ | + 4.7 |
| Deep Zone | | a/ | -19.9 |
| Mendota-Huron Area | 5-22.47 | | |
| Deep Zone | | a/ | -15.6 ^{b/} |
| Poso Soil Conservation District | 5-22.48 | a/ | - 1.3 |
| San Luis Canal Company | 5-22.49 | a/ | + 0.5 |
| Terra Bella Irrigation District | 5-22.50 | 4 | - 4.8 |
| Merced Bottoms | 5-22.54 | a/ | + 0.4 |
| Centerville Bottoms Area | 5-22.64 | a/ | + 2.7 |
| Garfield Water District | 5-22.65 | 21 | + 2.2 |

TABLE C-1 (Cont.)

CHANGE IN AVERAGE GROUND WATER LEVEL
IN DISTRICTS OR AREAS IN THE SAN JOAQUIN VALLEY
Spring 1966-- Spring 1967

| Ground Water Districts or Areas | | Number of Wells Considered in Analysis | Change in Feet |
|---------------------------------|---------|--|----------------------|
| Name | Number | | |
| San Joaquin Valley (Continued) | | | |
| Kings County Water District | 5-22.66 | | |
| Shallow Zone | | a/ | - 6.4 |
| Deep Zone | | a/ | - 7.5 |
| Pleasant Valley Area | 5-22.69 | 14 | - 7.1 |

a/ Average changes were determined by planimetering ground water contour maps.

b/ Average change determined from water level measurements made during December 1965 and December 1966.

TABLE C-2

CHANGE IN AVERAGE GROUND WATER LEVEL FROM
1921 TO 1951 AND 1951 TO 1967
IN 18 GROUND WATER AREAS IN THE SAN JOAQUIN VALLEY

| Name of Ground Water Area | Area in square miles | Irrigation and Other Water Districts Included in the Ground Water Area | Net change in water level 1921-51 ^{a/} in feet | Net change in water level 1951-67 ^{b/} in feet |
|---------------------------|-------------------------------|--|--|--|
| Madera | 342.6 | Madera Irrigation District and Chowchilla Water District | - 24.1 ^{c/} | - 21.3 |
| Fresno | 404.0 | Fresno Irrigation District and City of Fresno | - 22.4 | - 21.4 |
| Consolidated | 243.0 | Consolidated Irrigation District | - 19.0 | - 1.5 |
| Centerville Bottoms | 18.1 | ----- | + 1.0 | + 0.5 |
| Alta | 190.9 | Alta Irrigation District | - 17.2 ^{d/} | - 1.3 |
| Ivanhoe | 17.4 | Ivanhoe Irrigation District | - 55.9 | + 25.9 |
| Outside Ivanhoe | 76.6 | Stone Corral Irrigation District and a portion of Alta Irrigation District | - 28.5 | - 12.3 |
| Mill Creek | 128.2 | Portions of Kings County Water District and Kaweah Delta Water Conservation District | - 31.1 | - 15.1 |
| Tulare | 121.1 | Tulare Irrigation District | - 59.1 | - 8.1 |
| Elk Bayou | 67.6 | Portion of Kaweah Delta Water Conservation District | - 47.8 | - 15.1 |
| Lindsay-Exeter | 136.4 | Exeter Irrigation District, Lindsay- Strathmore Irrigation District, and Lindmore Irrigation District | - 77.7 | + 57.1 |
| Tule River | 156.6 | Porterville Irrigation District, portions of Lower Tule River Irrigation District, and Saucelito Irrigation District | - 62.5 | + 22.9 |
| Lower Deer Creek | 162.2 | Portions of Lower Tule River Irrigation District, Saucelito Irrigation District, and Delano-Earlimart Irrigation District | -106.7 | - 7.7 ^{e/} - 6.2 ^{f/} |
| Middle Deer Creek | 54.6 | Terra Bella Irrigation District | - 61.8 | - 22.7 ^{e/} - 41.4 ^{f/} |
| Delano-Earlimart | 140.0 | Portions of Delano-Earlimart Irrigation District and Southern San Joaquin Municipal Utility District | -133.8 | + 10.7 ^{e/} + 7.0 ^{f/} |
| McFarland-Shafter | 306.0 | North Kern Water Storage District, Shafter- Wasco Irrigation District, and a portion of Southern San Joaquin Municipal Utility District | - 99.0 | - 3.0 ^{e/} - 26.2 ^{f/} |
| Rosedale | 78.9 | ----- | - 36.3 | - 77.0 - 20.8 ^{g/} |
| Arvin-Edison | 205.2 | Arvin-Edison Water Storage District | - 69.9 ^{d/} | - 28.8 ^{f/} |

^{a/} 1951 was the first year of substantial deliveries from the Friant-Kern Canal.

^{b/} Fall 1951 to spring 1967.

^{c/} Fall 1929 to fall 1951.

^{d/} Fall 1941 to fall 1951.

^{e/} Unconfined aquifer, spring 1961 to spring 1967, only one aquifer reported prior to 1961.

^{f/} Pressure surface, spring 1961 to spring 1967, only one aquifer reported prior to 1961.

^{g/} Pressure surface, spring 1963 to spring 1967, only one aquifer reported prior to 1963.

TABLE C-3

GROUND WATER LEVELS AT WELLS

An explanation of the column headings and the code symbols follows:

State Well Number--refer to the explanation under Introduction, page 157.

Ground surface elevation represents the elevation in feet above mean sea level (U.S.G.S. and U.S.C. & G.S. datum) of the ground surface at the well. Elevations are usually taken from topographic maps and the accuracy is controlled by topographic standards.

Date is the date the depth measurement was made. Where 00 appears in the date, day of measurement is unknown.

Ground surface to water surface in feet is the measured depth in feet from the ground surface to the water surface in the well. Certain of the depth measurements in the column may be followed with an asterisk superscript to indicate a questionable measurement. Depth to ground water measurements may be questionable for such reasons as: (a) well being pumped while undergoing measurement, (b) nearby pump in operation, (c) existence of a leaking or wet casing, (d) well having been pumped recently, (e) possible air gage measurement error, (f) recharge operation at well or nearby. The specific reason for any asterisk on any given measurement may be obtained from the San Joaquin District Office of the Department of Water Resources.

Other code symbols used in this column are as follows:

- No measurement
- ⦿ Measurement discontinued
- @ Well has been destroyed

The words FLOW and DRY are shown in this column to indicate a flowing or dry well.

The word DISCONTINUED indicates records from this well will no longer be published.

Water surface elevation is the elevation in feet above mean sea level (U.S.G.S. and U.S.C. & G.S. datum) of the water surface in the well. It was derived by machine computation by subtraction of the depth measurement from the reference point elevation.

Agency supplying data represents the code numbers for the agencies supplying water level data.

In this list of water levels, the agency furnishing the measurement is noted. The agencies and code numbers assigned to them are as follows:

| <u>Agency Code</u> | <u>Agency</u> |
|--------------------|---------------------------------------|
| 5000 | U. S. Geological Survey |
| 5001* | U. S. Bureau of Reclamation |
| 5050 | Department of Water Resources |
| 5121 | Kern County Water Agency |
| 5200 | City of Fresno |
| 5518 | South San Joaquin Irrigation District |
| 5520 | Oakdale Irrigation District |
| 5521 | Modesto Irrigation District |
| 5524 | Turlock Irrigation District |
| 5525 | Merced Irrigation District |
| 5529 | Poso Soil Conservation District |
| 5631 | Fresno Irrigation District |
| 5636 | Consolidated Irrigation District |
| 5637 | Alta Irrigation District |
| 5640 | Buena Vista Water Storage District |
| 5700 | Kern County Land Company |

*A large amount of data listed under this agency code has been gathered by irrigation and water districts and compiled by the Bureau of Reclamation for transmittal to the Department of Water Resources.

TABLE C-3
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-----------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| CENTRAL VALLEY REGION | | | | | |
| SAN JOAQUIN VALLEY | | | | | |
| | | | 5-22.00 | | |
| TRACY AREA | | | | | |
| 1S/05E-31R02 M | 4.0 | 10-05-66 | 3.4 | 0.6 | 5050 |
| | | 11-03-66 | 3.3 | 0.7 | |
| | | 12-12-66 | 3.0 | 1.0 | |
| | | 1-03-67 | 3.3 | 0.7 | |
| | | 2-07-67 | 3.1 | 0.9 | |
| | | 3-06-67 | 2.3 | 1.7 | |
| | | 4-06-67 | 2.7 | 1.3 | |
| | | 5-05-67 | 2.0 | 2.0 | |
| | | 6-05-67 | 1.7 | 2.3 | |
| | | 7-05-67 | 1.9 | 2.1 | |
| | | 8-07-67 | 2.7 | 1.3 | |
| | | 9-06-67 | 3.5 | 0.5 | |
| 2S/05E-15N02 M | 32.0 | 10-05-66 | 13.5 | 18.5 | 5050 |
| | | 11-03-66 | 11.4 | 20.6 | |
| | | 12-12-66 | 9.7 | 22.3 | |
| | | 1-03-67 | 10.4 | 21.6 | |
| | | 2-07-67 | 10.8 | 21.2 | |
| | | 3-06-67 | 9.7 | 22.3 | |
| | | 4-06-67 | 10.5 | 21.5 | |
| | | 5-05-67 | 10.7 | 21.3 | |
| | | 6-05-67 | 11.0 | 21.0 | |
| | | 7-05-67 | 10.8 | 21.2 | |
| | | 8-07-67 | 10.4 | 21.6 | |
| | | 9-06-67 | 11.2 | 20.8 | |
| 3S/06E-06N01 M | 77.2 | 10-05-66 | 8.3 | 68.9 | 5050 |
| | | 11-03-66 | 8.1 | 69.1 | |
| | | 12-12-66 | 7.1 | 70.1 | |
| | | 1-03-67 | 8.9 | 68.3 | |
| | | 2-07-67 | 7.8 | 69.4 | |
| | | 3-06-67 | 7.7 | 69.5 | |
| | | 4-06-67 | 8.2 | 69.0 | |
| | | 5-05-67 | 11.1 | 66.1 | |
| | | 6-05-67 | 8.6 | 68.6 | |
| | | 7-05-67 | 9.9 | 67.3 | |
| | | 8-07-67 | 9.0 | 68.2 | |
| | | 9-06-67 | 9.6 | 68.6 | |

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-----------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| OAKDALE IRRIGATION DISTRICT | | | | | |
| | | | 5-22.06 | | |
| 1S/09E-16J01 M | 119.0 | 10-03-66 | 62.5 | 56.5 | 5520 |
| | | 11-01-66 | 61.8 | 57.2 | |
| | | 12-02-66 | 61.2 | 57.8 | |
| | | 1-04-67 | 60.9 | 58.1 | |
| | | 2-02-67 | 60.6 | 58.4 | |
| | | 3-10-67 | 60.3 | 58.7 | |
| | | 3-30-67 | 60.0 | 59.0 | |
| | | 4-28-67 | 59.7 | 59.3 | |
| | | 5-31-67 | 61.4 | 57.6 | |
| | | 6-23-67 | 62.0 | 57.0 | |
| | | 7-28-67 | 62.4 | 56.6 | |
| | | 8-31-67 | 62.3 | 56.7 | |
| | | 9-28-67 | 60.8 | 58.2 | |
| 1S/09E-36A01 M | 145.0 | 4-00-67 | 52.1 | 92.9 | 5520 |
| 1S/10E-19L01 M | 146.5 | 10-03-66 | 55.6 | 90.9 | 5520 |
| | | 11-01-66 | 54.8 | 91.7 | |
| | | 12-02-66 | 54.2 | 92.3 | |
| | | 1-04-67 | 54.0 | 92.5 | |
| | | 2-02-67 | 54.0 | 92.5 | |
| | | 3-10-67 | 53.7 | 92.8 | |
| | | 3-30-67 | 53.5 | 93.0 | |
| | | 4-28-67 | 53.4 | 93.1 | |
| | | 5-31-67 | 53.8 | 92.7 | |
| | | 6-23-67 | 53.0 | 93.5 | |
| | | 7-28-67 | 52.4 | 94.1 | |
| | | 8-31-67 | 51.5 | 95.0 | |
| | | 9-28-67 | 51.0 | 95.5 | |
| 1S/10E-28J01 M | 193.0 | 4-00-67 | 82.1 | 110.9 | 5520 |
| 2S/09E-26F01 M | 132.0 | 10-03-66 | 56.8 | 75.2 | 5520 |
| | | 11-01-66 | 53.1 | 78.9 | |
| | | 12-02-66 | 53.4 | 78.6 | |
| | | 1-04-67 | 53.1 | 78.9 | |
| | | 2-02-67 | 52.4 | 79.6 | |
| | | 3-10-67 | 53.0 | 79.0 | |
| | | 3-30-67 | 52.2 | 79.8 | |
| | | 4-28-67 | 51.4 | 80.6 | |
| | | 5-31-67 | □ | | |
| | | 6-23-67 | □ | | |
| | | 7-28-67 | 54.0 | 78.0 | |
| | | 8-31-67 | 58.8 | 73.2 | |
| | | 9-28-67 | □ | | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-----------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| OAKDALE IRRIGATION DISTRICT | | | | | |
| 5-22.06 | | | | | |
| 2S/10E-04H01 M | 185.5 | 10-03-66 | 81.7 | 103.8 | 5520 |
| | | 11-01-66 | 79.9 | 105.6 | |
| | | 12-02-66 | 78.0 | 107.5 | |
| | | 1-04-67 | 77.4 | 108.1 | |
| | | 2-02-67 | 77.0 | 108.5 | |
| | | 3-10-67 | 76.7 | 108.8 | |
| | | 3-30-67 | 76.3 | 109.2 | |
| | | 4-28-67 | 76.2 | 109.3 | |
| | | 5-31-67 | 77.2 | 108.3 | |
| | | 6-23-67 | 77.3 | 108.2 | |
| | | 7-28-67 | 78.3 | 107.2 | |
| | | 8-31-67 | 78.0 | 107.5 | |
| | | 9-28-67 | 77.5 | 108.0 | |
| 2S/10E-33J01 M | 165.0 | 4-00-67 | 61.2 | 103.8 | 5520 |
| 2S/11E-29B01 M | 218.0 | 10-03-66 | 97.1 | 120.9 | 5520 |
| | | 11-01-66 | 97.9 | 120.1 | |
| | | 12-02-66 | 93.9 | 124.1 | |
| | | 1-04-67 | 93.0 | 125.0 | |
| | | 2-02-67 | 92.4 | 125.6 | |
| | | 3-10-67 | 91.7 | 126.3 | |
| | | 3-30-67 | 91.2 | 126.8 | |
| | | 4-28-67 | 91.0 | 127.0 | |
| | | 5-31-67 | 93.4 | 124.6 | |
| | | 6-23-67 | 93.9 | 124.1 | |
| | | 7-28-67 | 95.2 | 122.8 | |
| | | 8-31-67 | 95.9 | 122.1 | |
| | | 9-28-67 | 95.3 | 122.7 | |
| 2S/11E-31P01 M | 192.0 | 4-00-67 | 75.7 | 116.3 | 5520 |
| 2S/12E-31K01 M | 190.0 | 4-00-67 | 42.7 | 147.3 | 5520 |
| 3S/10E-15A01 M | 152.0 | 10-03-66 | □ | | 5520 |
| | | 11-01-66 | □ | | |
| | | 12-02-66 | 54.1 | 97.9 | |
| | | 1-04-67 | □ | | |
| | | 2-02-67 | 50.0 | 102.0 | |
| | | 3-10-67 | 48.9 | 103.1 | |
| | | 3-30-67 | 48.7 | 103.3 | |
| | | 4-28-67 | 48.1 | 103.9 | |
| | | 5-31-67 | 49.7 | 102.3 | |
| | | 6-23-67 | □ | | |
| | | 7-28-67 | 52.2 | 99.8 | |
| | | 8-31-67 | 51.8 | 100.2 | |
| | | 9-28-67 | 51.2 | 100.8 | |

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-----------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| OAKDALE IRRIGATION DISTRICT | | | | | |
| 5-22.06 | | | | | |
| 3S/11E-18D01 M | 162.0 | 4-00-67 | 55.7 | 106.3 | 5520 |
| MODESTO IRRIGATION DISTRICT | | | | | |
| 5-22.07 | | | | | |
| 2S/08E-25P01 M | 94.0 | 3-00-67 | 34.8 | 59.2 | 5521 |
| 2S/09E-30F01 M | 93.0 | 10-04-66 | 29.8 | 63.2 | 5050 |
| | | 11-03-66 | 30.3 | 62.7 | |
| | | 12-12-66 | 30.1 | 62.9 | |
| | | 1-03-67 | 30.2 | 62.8 | |
| | | 2-06-67 | 29.2 | 63.8 | |
| | | 3-06-67 | 29.1 | 63.9 | |
| | | 4-07-67 | 30.4 | 62.6 | |
| | | 5-05-67 | 26.2 | 66.8 | |
| | | 6-07-67 | 20.9 | 72.1 | |
| | | 7-06-67 | 19.2 | 73.8 | |
| | | 8-07-67 | 20.0 | 73.0 | |
| | | 9-06-67 | 22.1 | 70.9 | |
| 2S/09E-31G01 M | 100.3 | 3-00-67 | 34.0 | 66.3 | 5521 |
| 3S/07E-12C01 M | 47.0 | 10-04-66 | 7.3 | 39.7 | 5050 |
| | | 11-03-66 | 8.7 | 38.3 | |
| | | 12-12-66 | 9.4 | 37.6 | |
| | | 1-05-67 | 9.6 | 37.4 | |
| | | 2-06-67 | 7.6 | 39.4 | |
| | | 3-06-67 | 7.7 | 39.3 | |
| | | 4-07-67 | 8.0 | 39.0 | |
| | | 5-05-67 | 8.9 | 38.1 | |
| | | 6-07-67 | 7.7 | 39.3 | |
| | | 7-06-67 | 6.3 | 40.7 | |
| | | 8-07-67 | 5.6 | 41.4 | |
| | | 9-06-67 | 5.6 | 41.4 | |
| 3S/07E-35A02 M | 40.0 | 10-04-66 | 5.8 | 34.2 | 5050 |
| | | 11-03-66 | 5.2 | 34.8 | |
| | | 12-12-66 | 5.4 | 34.6 | |
| | | 1-05-67 | 5.9 | 34.1 | |
| | | 2-06-67 | 4.0 | 36.0 | |
| | | 3-06-67 | 5.4 | 34.6 | |
| | | 4-07-67 | 7.4 | 32.6 | |
| | | 5-05-67 | 7.4 | 32.6 | |
| | | 6-07-67 | 4.5 | 35.5 | |
| | | 7-06-67 | 4.2 | 35.8 | |
| | | 8-07-67 | 5.0 | 35.0 | |
| | | 9-06-67 | 4.9 | 35.1 | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-----------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| MODESTO IRRIGATION DISTRICT | | | | | |
| 5-22.07 | | | | | |
| 3S/08E-03A02 M | 73.0 | 10-04-66 | 24.1 | 48.9 | 5050 |
| | | 11-03-66 | 23.8 | 49.2 | |
| | | 12-12-66 | 23.3 | 49.7 | |
| | | 1-05-67 | 23.0 | 50.0 | |
| | | 2-06-67 | 22.9 | 50.1 | |
| | | 3-06-67 | 22.5 | 50.5 | |
| | | 4-07-67 | 22.0 | 51.0 | |
| | | 5-05-67 | 21.8 | 51.2 | |
| | | 6-07-67 | 21.0 | 52.0 | |
| | | 7-06-67 | 21.3 | 51.7 | |
| | | 8-07-67 | 19.9 | 53.1 | |
| | | 9-06-67 | 20.1 | 52.9 | |
| 3S/08E-22C02 M | 64.0 | 10-04-66 | 14.6 | 49.4 | 5050 |
| | | 11-03-66 | 14.6 | 49.4 | |
| | | 12-07-66 | 14.1 | 49.9 | |
| | | 1-03-67 | 13.8 | 50.2 | |
| | | 2-06-67 | 13.6 | 50.4 | |
| | | 3-06-67 | 13.1 | 50.9 | |
| | | 4-07-67 | 12.9 | 51.1 | |
| | | 5-05-67 | 12.7 | 51.3 | |
| | | 6-07-67 | 12.3 | 51.7 | |
| | | 7-06-67 | 13.4 | 50.6 | |
| | | 8-07-67 | 12.9 | 51.1 | |
| | | 9-06-67 | 13.5 | 50.5 | |
| 3S/08E-24C02 M | 74.0 | 3-00-67 | 23.8 | 50.2 | 5521 |
| 3S/09E-05N01 M | 92.5 | 3-00-67 | 27.8 | 64.7 | 5521 |
| 3S/09E-21A01 M | 99.2 | 3-00-67 | 41.6 | 57.6 | 5521 |
| 3S/09E-26F01 M | 100.0 | 10-04-66 | 42.6 | 57.4 | 5050 |
| | | 11-01-66 | 43.0 | 57.0 | |
| | | 12-01-66 | 43.2 | 56.8 | |
| | | 1-03-67 | 42.9 | 57.1 | |
| | | 2-06-67 | 42.6 | 57.4 | |
| | | 3-06-67 | 42.6 | 57.4 | |
| | | 4-07-67 | 42.7 | 57.3 | |
| | | 5-05-67 | 42.2 | 57.8 | |
| | | 6-01-67 | 43.0 | 57.0 | |
| | | 7-06-67 | 43.9 | 56.1 | |
| | | 8-01-67 | 44.6 | 55.4 | |
| | | 9-01-67 | 43.2 | 56.8 | |
| MODESTO IRRIGATION DISTRICT | | | | | |
| 5-22.07 | | | | | |
| 3S/09E-30P01 M | 82.5 | 3-00-67 | | | 5521 |
| 3S/10E-06G01 M | 133.1 | 3-00-67 | 35.7 | 97.4 | 5521 |
| 3S/10E-29K01 M | 119.2 | 3-00-67 | 46.2 | 73.0 | 5521 |
| 3S/10E-32G01 M | 123.0 | 3-00-67 | 57.1 | 65.9 | 5521 |
| 3S/10E-33E01 M | 120.0 | 10-03-66 | 56.2 | 63.8 | 5050 |
| | | 11-01-66 | 55.6 | 64.4 | |
| | | 12-01-66 | 55.2 | 64.8 | |
| | | 1-03-67 | 54.9 | 65.1 | |
| | | 2-02-67 | 55.2 | 64.8 | |
| | | 3-02-67 | 54.8 | 65.2 | |
| | | 4-07-67 | 54.4 | 65.6 | |
| | | 5-01-67 | 53.9 | 66.1 | |
| | | 6-01-67 | 53.9 | 66.1 | |
| | | 7-06-67 | 52.3 | 62.7 | |
| | | 8-01-67 | 52.1 | 66.9 | |
| | | 9-01-67 | 54.0 | 66.0 | |
| 4S/08E-03E01 M | 63.0 | 3-00-67 | 19.5 | 43.5 | 5521 |
| TURLOCK IRRIGATION DISTRICT | | | | | |
| 5-22.08 | | | | | |
| 4S/08E-22R01 M | 55.0 | 10-01-66 | 6.6 | 48.4 | 5050 |
| | | 11-01-66 | 8.7 | 46.3 | |
| | | 12-01-66 | 9.1 | 45.9 | |
| | | 1-03-67 | 8.5 | 46.5 | |
| | | 2-02-67 | 7.0 | 48.0 | |
| | | 3-02-67 | 7.2 | 47.8 | |
| | | 4-07-67 | 7.4 | 47.6 | |
| | | 5-01-67 | 9.0 | 46.0 | |
| | | 6-01-67 | 7.3 | 47.7 | |
| | | 7-05-67 | 6.6 | 48.4 | |
| | | 8-02-67 | 7.0 | 48.0 | |
| | | 9-06-67 | 5.7 | 49.3 | |
| 4S/08E-27D01 M | 55.0 | 4-00-67 | 9.1 | 45.9 | 5524 |
| 4S/09E-21A02 M | 82.0 | 4-00-67 | | | 5524 |
| 4S/10E-21R01 M | 109.0 | 4-00-67 | 10.7 | 98.3 | 5524 |
| 4S/11E-29N01 M | 131.0 | 4-00-67 | DRY | | 5524 |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|------------------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| TURLOCK IRRIGATION DISTRICT | | | | | |
| | | | 5-22-08 | | |
| 4S/11E-31R01 M | 128.6 | 4-00-67 | 12.1 | 116.5 | 5524 |
| 5S/08E-01N01 M | 53.0 | 4-00-67 | 5.7 | 47.3 | 5524 |
| 5S/08E-10A01 M | 49.7 | 4-00-67 | 12.3 | 37.4 | 5524 |
| 5S/09E-04A01 M | 70.0 | 10-04-66 | 6.8 | 63.2 | 5050 |
| | | 11-01-66 | 7.2 | 62.8 | |
| | | 12-07-66 | 6.6 | 63.4 | |
| | | 1-05-67 | 6.6 | 63.4 | |
| | | 2-06-67 | 5.4 | 64.6 | |
| | | 3-06-67 | 6.6 | 63.4 | |
| | | 4-07-67 | 6.1 | 63.9 | |
| | | 5-01-67 | 6.9 | 63.1 | |
| | | 6-07-67 | 4.5 | 65.5 | |
| | | 7-06-67 | 3.9 | 66.1 | |
| | | 8-03-67 | 4.6 | 65.4 | |
| | | 9-06-67 | 4.4 | 65.6 | |
| 5S/09E-14R01 M | 75.0 | 4-00-67 | 6.7 | 68.3 | 5524 |
| 5S/09E-24N01 M | 75.0 | 4-00-67 | 5.8 | 69.2 | 5524 |
| 5S/09E-28A01 M | 63.4 | 4-00-67 | 4.5 | 58.9 | 5524 |
| 5S/09E-34J01 M | 64.0 | 10-04-66 | 16.4 | 47.6 | 5050 |
| | | 11-03-66 | 7.1 | 56.9 | |
| | | 12-08-66 | 6.6 | 57.4 | |
| | | 1-05-67 | 11.2 | 52.8 | |
| | | 2-06-67 | 6.1 | 57.9 | |
| | | 3-06-67 | 5.6 | 58.4 | |
| | | 4-07-67 | 15.1 | 48.9 | |
| | | 5-05-67 | 15.6 | 48.4 | |
| | | 6-07-67 | 14.3 | 49.7 | |
| | | 7-06-67 | 14.2 | 49.8 | |
| | | 8-03-67 | 14.0 | 50.0 | |
| | | 9-06-67 | 14.0 | 50.0 | |
| 5S/10E-19R01 M | 82.9 | 4-00-67 | 5.1 | 77.8 | 5524 |
| 5S/10E-21R01 M | 92.0 | 4-00-67 | 7.6 | 84.4 | 5524 |
| TURLOCK IRRIGATION DISTRICT | | | | | |
| | | | 5-22-08 | | |
| 5S/11E-06J02 M | 124.0 | 10-04-66 | 13.3 | 110.7 | 5050 |
| | | 11-04-66 | 13.2 | 110.8 | |
| | | 12-12-66 | 7.6 | 116.4 | |
| | | 1-05-67 | 7.5 | 116.5 | |
| | | 2-06-67 | 7.1 | 116.9 | |
| | | 3-08-67 | 7.1 | 116.9 | |
| | | 4-07-67 | □ | | |
| | | 5-05-67 | 7.6 | 116.4 | |
| | | 6-07-67 | 11.4 | 112.6 | |
| | | 7-07-67 | 12.8 | 111.2 | |
| | | 8-04-67 | 13.2 | 110.8 | |
| | | 9-08-67 | 13.2 | 110.8 | |
| 5S/11E-21N01 M | 125.0 | 4-00-67 | 8.0 | 117.0 | 5524 |
| 5S/11E-30A01 M | 117.0 | 4-00-67 | 11.6 | 105.4 | 5524 |
| 5S/12E-31N01 M | 150.0 | 4-00-67 | □ | | 5524 |
| 6S/09E-15R01 M | 60.0 | 4-00-67 | 5.7 | 54.3 | 5524 |
| 6S/10E-21A01 M | 85.6 | 4-00-67 | 5.6 | 80.0 | 5524 |
| 6S/10E-28D01 M | 83.6 | 4-00-67 | 10.4 | 73.2 | 5524 |
| 6S/11E-08R01 M | 115.0 | 4-00-67 | 11.7 | 103.3 | 5524 |
| 6S/11E-09N01 M | 118.0 | 4-00-67 | □ | | 5524 |
| MERCED IRRIGATION DISTRICT | | | | | |
| | | | 5-22-09 | | |
| 6S/14E-32N01 M | 178.1 | 3-10-67 | 15.8 | 162.3 | 5525 |
| 7S/10E-01N01 M | 90.7 | 3-11-67 | DRY | | 5525 |
| 7S/11E-01H01 M | 118.0 | 10-04-66 | 14.3 | 103.7 | 5050 |
| | | 11-03-66 | 14.1 | 103.9 | |
| | | 12-08-66 | 14.2 | 103.8 | |
| | | 1-05-67 | 14.1 | 103.9 | |
| | | 2-06-67 | 14.1 | 103.9 | |
| | | 3-06-67 | 13.8 | 104.2 | |
| | | 4-07-67 | 14.1 | 103.9 | |
| | | 5-05-67 | 13.9 | 104.1 | |
| | | 6-07-67 | 13.9 | 104.1 | |
| | | 7-07-67 | 15.2 | 102.8 | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|----------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| MERCED IRRIGATION DISTRICT | | | | | |
| 5-22.09 | | | | | |
| 7S/11E-01H01 M | 118.0 | 8-07-67 | 14.1 | 103.9 | 5050 |
| CONT. | | 9-01-67 | 13.8 | 104.2 | |
| 7S/11E-13N01 M | 106.6 | 3-00-67 | 5.2 | 101.4 | 5525 |
| 7S/12E-12D01 M | 148.0 | 10-04-66 | 16.4 | 131.6 | 5050 |
| | | 11-03-66 | 16.6 | 131.4 | |
| | | 12-08-66 | DRY | | |
| | | 1-05-67 | DRY | | |
| | | 1-06-67 | DRY | | |
| | | 3-06-67 | DRY | | |
| | | 4-07-67 | DRY | | |
| | | 5-05-67 | DRY | | |
| | | 6-07-67 | 13.6 | 134.4 | |
| | | 7-07-67 | 12.9 | 135.1 | |
| | | 8-07-67 | 12.0 | 136.0 | |
| | | 9-01-67 | 12.1 | 135.9 | |
| 7S/12E-12R01 M | 147.3 | 3-00-67 | DRY | | 5525 |
| 7S/13E-16N01 M | 151.9 | 3-00-67 | DRY | | 5525 |
| 7S/13E-26D01 M | 155.8 | 10-04-66 | DRY | | 5050 |
| | | 11-03-66 | DRY | | |
| | | 12-08-66 | DRY | | |
| | | 1-05-67 | DRY | | |
| | | 2-06-67 | DRY | | |
| | | 3-06-67 | DRY | | |
| | | 4-07-67 | DRY | | |
| | | 5-05-67 | 14.6 | 141.2 | |
| | | 6-07-67 | 12.6 | 143.2 | |
| | | 7-07-67 | 10.9 | 144.9 | |
| | | 8-07-67 | 10.2 | 145.6 | |
| | | 9-01-67 | 9.5 | 146.3 | |
| 7S/14E-16R01 M | 187.5 | 3-00-67 | DRY | | 5525 |
| 8S/12E-01D01 M | 120.2 | 3-21-67 | 6.5 | 113.7 | 5525 |
| 8S/13E-09R01 M | 135.0 | 3-20-67 | 7.5 | 127.5 | 5525 |
| 8S/14E-01A01 M | 196.8 | 3-13-67 | DRY | | 5525 |

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-----------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| EL NIDO IRRIGATION DISTRICT | | | | | |
| 5-22.10 | | | | | |
| 9S/13E-14R01 M | 133.0 | 2-00-67 | □ | | 5525 |
| 9S/14E-20B01 M | 152.0 | 2-07-67 | 79.0 | 73.0 | 5525 |
| DELTA-MENDOTA AREA | | | | | |
| 5-22.11 | | | | | |
| 2S/04E-16H01 M | 78.0 | 11-02-66 | 5.0 | 73.0 | 5001 |
| | | 2-24-67 | 6.2 | 71.8 | |
| 2S/04E-25J01 M | 80.4 | 11-00-66 | # | | 5001 |
| 2S/04E-28A01 M | 187.0 | 11-02-66 | 137.0 | 50.0 | 5001 |
| | | 2-24-67 | 126.9 | 60.1 | |
| 2S/05E-32A01 M | 76.0 | 11-14-66 | 20.5 | 55.5 | 5001 |
| | | 2-27-67 | 21.6 | 54.4 | |
| 3S/05E-08R02 M | 195.7 | 11-03-66 | 120.2 | 75.5 | 5001 |
| | | 3-03-67 | □ | | |
| 3S/05E-25Q01 M | 207.0 | 11-03-66 | 114.6 | 92.4 | 5001 |
| | | 3-08-67 | 116.0 | 91.0 | |
| 3S/05E-26K01 M | 212.1 | 11-03-66 | 119.9 | 92.2 | 5001 |
| | | 3-07-67 | 119.3 | 92.8 | |
| 3S/06E-16Q01 M | 80.0 | 11-04-66 | 91.2 | - 11.2 | 5001 |
| | | 3-09-67 | 75.4 | 4.6 | |
| 3S/06E-18N01 M | 99.3 | 11-09-66 | 10.5 | 88.8 | 5001 |
| | | 2-28-67 | 12.0 | 87.3 | |
| 3S/06E-25D01 M | 63.5 | 11-04-66 | □ | | 5001 |
| | | 3-10-67 | □ | | |
| 4S/06E-04H01 M | 163.3 | 11-04-66 | □ | | 5001 |
| | | 3-10-67 | 121.7 | 41.6 | |
| 4S/06E-09R01 M | 166.3 | 11-17-66 | 123.4 | 42.9 | 5001 |
| | | 3-08-67 | 116.5 | 49.8 | |
| 4S/07E-27M01 M | 68.0 | 11-04-66 | □ | | 5001 |
| | | 3-20-67 | □ | | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER ELEVATION IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|--------------------|----------------------------------|---------------------|---|---------------------------------|-----------------------|
| DELTA-MENDOTA AREA | | | | | |
| 4S/07E-31D01 M | 185.4 | 11-00-66 | 5-22.11 | | 5001 |
| 5S/07E-13K01 M | 107.0 | 11-25-66 3-20-67 | # | 54.2 52.3 | 5001 |
| 5S/07E-14D01 M | 130.4 | 11-25-66 3-15-67 | 74.4 73.2 | 56.0 57.2 | 5001 |
| 5S/08E-05K01 M | 58.7 | 3-00-67 | □ | | 5001 |
| 6S/07E-12P01 M | 248.3 | 10-17-66 3-13-67 | 13.9 10.8 | 234.4 237.5 | 5050 |
| 6S/08E-12L01 M | 64.3 | 3-00-67 | □ | | 5001 |
| 6S/08E-16H01 M | 129.5 | 10-17-66 3-13-67 | 73.4 61.2 | 56.1 68.3 | 5050 |
| 6S/08E-27J01 M | 114.5 | 10-18-66 3-14-67 | 50.5 43.8 | 64.0 70.7 | 5050 |
| 6S/08E-29J01 M | 190.0 | 10-17-66 3-14-67 | 114.6 111.2 | 76.4 78.8 | 5050 |
| 7S/08E-22L01 M | 127.9 | 10-19-66 3-15-67 | 45.4 □ | 82.5 | 5050 |
| 7S/09E-04R01 M | 65.6 | 10-18-66 3-15-67 | 15.7 □ | 49.9 | 5050 |
| 7S/09E-26N01 M | 68.4 | 10-20-66 3-22-67 | 8.3 7.0 | 60.1 61.4 | 5050 |
| 8S/08E-01N01 M | 123.2 | 10-19-66 3-20-67 | 15.5 23.0 | 107.7 100.2 | 5050 |
| 8S/08E-15J01 M | 172.8 | 10-19-66 3-20-67 | □ □ | | 5050 |
| 8S/09E-26H01 M | 75.0 | 10-20-66 3-22-67 | 47.7 16.4 | 27.3 58.6 | 5050 |
| 8S/09E-26H03 M | 75.0 | 10-20-66 3-22-67 | 4.6 1.0 | 70.4 74.0 | 5050 |
| DELTA-MENDOTA AREA | | | | | |
| 8S/10E-21L04 M | 75.0 | 10-20-66 3-23-67 | 5-22.11 | 68.6 72.6 | 5050 |
| 9S/08E-13D01 M | 201.6 | 10-00-66 3-00-67 | □ □ | | 5050 |
| 9S/09E-18N01 M | 153.6 | 10-24-66 3-24-67 | 31.8 □ | 121.8 | 5050 |
| 9S/09E-23L01 M | 100.0 | 10-24-66 3-27-67 | 68.4 45.8 | 31.6 54.2 | 5050 |
| 9S/10E-19B01 M | 84.0 | 10-21-66 3-24-67 | 2.3 - 0.2 | 81.7 84.2 | 5050 |
| 9S/10E-23J01 M | 87.0 | 10-21-66 3-27-67 | 57.0 37.4 | 30.0 49.6 | 5050 |
| 9S/11E-16H01 M | 91.0 | 10-24-66 3-27-67 | 6.7 7.9 | 84.3 83.1 | 5050 |
| 9S/11E-20J01 M | 90.5 | 10-24-66 3-27-67 | 41.7 41.3 | 48.8 49.2 | 5050 |
| 10S/09E-06A01 M | 147.0 | 10-21-66 3-27-67 | 8.9 9.7 | 138.1 137.3 | 5050 |
| 10S/09E-08B01 M | 167.0 | 10-21-66 3-27-67 | 79.0 76.2 | 88.0 90.8 | 5050 |
| 10S/10E-02R01 M | 99.5 | 10-21-66 3-23-67 | 17.6 18.2 | 81.9 81.3 | 5050 |
| 10S/10E-11R01 M | 106.6 | 10-20-66 3-23-67 | 23.2 19.4 | 83.4 87.2 | 5050 |
| 10S/10E-31G01 M | 191.1 | 10-17-66 3-23-67 | 158.7 154.0 | 32.4 37.1 | 5050 |
| 10S/11E-23D01 M | 99.0 | 10-20-66 3-27-67 | 11.8 5.4 | 87.2 93.6 | 5050 |
| 10S/11E-27E02 M | 101.3 | 10-20-66 3-22-67 | 57.7 51.1 | 43.6 50.2 | 5050 |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|----------------------------------|----------------------------------|---|--|--|-----------------------|
| DELTA-MENDOTA AREA | | | | | |
| | 5-22.11 | | | | |
| 11S/10E-11J01 M | 157.3 | 10-19-66 3-21-67 | 58.0 48.0 | 99.3 109.3 | 5050 |
| 11S/10E-22Q01 M | 246.8 | 10-19-66 3-21-67 | 143.6 140.2 | 103.2 106.6 | 5050 |
| 11S/11E-02J02 M | 106.0 | 10-19-66 3-15-67 | 3.5 1.4 | 102.5 104.6 | 5050 |
| 11S/11E-22K01 M | 114.2 | 10-18-66 3-15-67 | 6.3 1.4 | 107.9 112.8 | 5050 |
| 11S/11E-22Q03 M | 119.0 | 10-18-66 3-15-67 | 9.2 6.8 | 109.8 112.2 | 5050 |
| 11S/12E-31C01 M | 132.0 | 10-18-66 3-15-67 | 24.8 16.7 | 107.2 115.3 | 5050 |
| 12S/12E-04D01 M | 138.0 | 11-04-66 3-07-67 | □ □ | | 5001 |
| 12S/12E-16H05 M | 168.0 | 10-00-66 | # | | 5000 |
| 12S/12E-25D01 M | 177.0 | 11-08-66 3-09-67 | 62.8 60.4 | 114.2 116.6 | 5001 |
| 12S/12E-25D02 M | 177.0 | 11-08-66 3-09-67 | 9.4 9.2 | 167.6 167.8 | 5001 |
| 12S/13E-10N01 M | 144.0 | 11-04-66 3-06-67 | DRY DRY | | 5001 |
| CHOWCHILLA WATER DISTRICT | | | | | |
| | 5-22.12 | | | | |
| 9S/14E-25R01 M | 185.0 | 2-09-67 | 67.0 | 118.0 | 5001 |
| 9S/15E-22R02 M | 216.5 | 10-25-66 11-22-66 12-20-66 1-24-67 2-27-67 3-29-67 4-27-67 5-23-67 | □ □ □ 96.4 92.6 91.4 86.2 □ | 120.1 123.9 125.1 130.3 | 5001 |
| CHOWCHILLA WATER DISTRICT | | | | | |
| | 5-22.12 | | | | |
| 9S/15E-22R02 M | 216.5 | 6-27-67 7-25-67 8-23-67 9-20-67 | | | 5001 |
| 9S/15E-25J02 M | 230.0 | 2-09-67 | 49.0 | 181.0 | 5001 |
| 9S/16E-22R01 M | 267.0 | 10-25-66 11-22-66 12-20-66 1-24-67 2-27-67 3-29-67 4-27-67 5-22-67 6-27-67 7-25-67 8-23-67 9-20-67 | 42.8 42.5 42.6 41.9 43.1 43.0 42.3 41.7 41.4 41.8 41.6 41.1 | 224.2 224.5 224.4 225.1 223.9 224.0 224.7 225.3 225.6 225.2 225.4 225.9 | 5001 |
| 9S/17E-21L01 M | 320.0 | 2-00-67 | □ | | 5001 |
| 9S/17E-35J01 M | 320.0 | 2-09-67 | 84.5 | 235.5 | 5001 |
| 9S/18E-33Q01 M | 365.0 | 2-09-67 | 54.8 | 310.2 | 5001 |
| 10S/14E-08B03 M | 147.0 | 10-25-66 11-22-66 12-20-66 1-24-67 2-27-67 3-27-67 4-27-67 5-23-67 6-30-67 7-25-67 8-24-67 9-20-67 | 89.9 86.0 78.3 77.0 74.8 75.7 73.8 76.7 84.1 89.5 93.3 89.5 | 57.1 61.0 68.7 70.0 72.2 71.3 73.2 70.3 62.9 57.5 53.7 57.5 | 5001 |
| 10S/15E-23K01 M | 195.5 | 2-10-67 | 74.7 | 120.8 | 5001 |
| 10S/15E-27D03 M | 184.0 | 10-25-66 11-22-66 12-20-66 | 78.1 80.7 74.7 | 105.9 103.3 109.3 | 5001 |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|----------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| CHOWCHILLA WATER DISTRICT | | | | | |
| 5-22-12 | | | | | |
| 10S/15E-27D03 M CONT. | 184.0 | 1-24-67 | 73.0 | 111.0 | 5001 |
| | | 2-28-67 | 72.3 | 111.7 | |
| | | 3-29-67 | 72.7 | 111.3 | |
| | | 4-27-67 | 70.7 | 113.3 | |
| | | 5-23-67 | 71.1 | 112.9 | |
| | | 6-27-67 | □ | | |
| | | 7-25-67 | □ | | |
| | | 8-24-67 | □ | | |
| | | 9-20-67 | □ | | |
| | | 10-15-66 | □ | | |
| 10S/16E-09E01 M | 232.0 | 11-22-66 | 101.3 | 130.7 | 5001 |
| | | 12-20-66 | 84.2 | 147.8 | |
| | | 1-24-67 | 81.7 | 150.3 | |
| | | 2-27-67 | 75.8 | 156.2 | |
| | | 3-29-67 | 82.1 | 149.9 | |
| | | 4-27-67 | 76.8 | 155.2 | |
| | | 5-23-67 | 84.2 | 147.8 | |
| | | 6-27-67 | □ | | |
| | | 7-25-67 | □ | | |
| | | 8-23-67 | 91.6 | 140.4 | |
| 9-20-67 | 83.7 | 148.3 | | | |
| 10S/16E-29R01 M | 209.5 | 2-06-67 | 82.0 | 127.5 | 5001 |
| | | 5-22-13 | | | |
| MADERA IRRIGATION DISTRICT | | | | | |
| 10S/18E-20B01 M | 326.0 | 2-10-67 | 70.0 | 256.0 | 5001 |
| 10S/19E-16D01 M | 387.0 | 2-10-67 | 15.8 | 371.2 | 5001 |
| 11S/16E-06A01 M | 196.0 | 10-25-66 | 79.4 | 116.6 | 5001 |
| | | 11-28-66 | 76.0 | 120.0 | |
| | | 12-27-66 | 72.1 | 123.9 | |
| | | 1-26-67 | 69.8 | 126.2 | |
| | | 2-27-67 | 68.8 | 127.2 | |
| | | 3-29-67 | 69.4 | 126.6 | |
| | | 4-28-67 | 68.8 | 127.2 | |
| | | 5-29-67 | 70.0 | 126.0 | |
| | | 6-29-67 | 70.9 | 125.1 | |
| | | 7-27-67 | 73.0 | 123.0 | |
| 8-28-67 | 75.9 | 120.1 | | | |
| 9-22-67 | 76.1 | 119.9 | | | |
| MADERA IRRIGATION DISTRICT | | | | | |
| 5-22-13 | | | | | |
| 11S/16E-10N01 M | 204.0 | 10-25-66 | 76.4 | 127.6 | 5001 |
| | | 11-28-66 | 75.3 | 128.7 | |
| | | 12-27-66 | 72.9 | 131.1 | |
| | | 1-26-67 | 73.3 | 130.7 | |
| | | 2-27-67 | 68.5 | 135.5 | |
| | | 3-29-67 | 73.0 | 131.0 | |
| | | 4-28-67 | 70.0 | 134.0 | |
| | | 5-29-67 | 68.4 | 135.6 | |
| | | 6-29-67 | 70.4 | 133.6 | |
| | | 7-27-67 | 69.3 | 134.7 | |
| 8-28-67 | 69.8 | 134.2 | | | |
| 9-22-67 | 70.2 | 133.8 | | | |
| 11S/17E-27C01 M | 250.0 | 2-08-67 | 80.9 | 169.1 | 5001 |
| 11S/18E-20N01 M | 272.5 | 2-06-67 | 76.0 | 196.5 | 5001 |
| 11S/18E-27W01 M | 284.0 | 10-25-66 | 93.9 | 190.1 | 5001 |
| | | 11-28-66 | 82.0 | 202.0 | |
| | | 12-27-66 | 83.6 | 200.4 | |
| | | 1-26-67 | 83.8 | 200.2 | |
| | | 2-27-67 | 82.0 | 202.0 | |
| | | 3-29-67 | 86.0 | 198.0 | |
| | | 4-28-67 | 82.0 | 202.0 | |
| | | 5-29-67 | 83.0 | 201.0 | |
| | | 6-29-67 | 84.5 | 199.5 | |
| | | 7-27-67 | □ | | |
| 8-28-67 | 91.8 | 192.2 | | | |
| 9-22-67 | 85.0 | 199.0 | | | |
| 12S/16E-23A01 M | 205.0 | 2-08-67 | 81.0 | 124.0 | 5001 |
| 12S/17E-08G01 M | 230.0 | 10-25-66 | 90.7 | 139.3 | 5001 |
| | | 11-28-66 | 86.3 | 143.7 | |
| | | 12-27-66 | 81.4 | 148.6 | |
| | | 1-26-67 | 82.0 | 148.0 | |
| | | 2-27-67 | 80.8 | 149.2 | |
| | | 3-29-67 | 81.7 | 148.3 | |
| | | 4-28-67 | 79.1 | 150.9 | |
| | | 5-29-67 | 80.8 | 149.2 | |
| | | 6-29-67 | 83.0 | 147.0 | |
| | | 7-27-67 | 86.6 | 143.4 | |
| 8-28-67 | 88.4 | 141.6 | | | |
| 9-22-67 | 89.6 | 140.4 | | | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-----------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| MADERA IRRIGATION DISTRICT | | | | | |
| 5-22.13 | | | | | |
| 12S/17E-20P01 M | 218.0 | 10-25-66 | 103.8 | 114.2 | 5001 |
| | | 11-28-66 | □ | | |
| | | 12-27-66 | 80.2 | 137.8 | |
| | | 1-26-67 | 70.9 | 147.1 | |
| | | 2-27-67 | 68.7 | 149.3 | |
| | | 3-29-67 | □ | | |
| | | 4-28-67 | 77.2 | 140.8 | |
| | | 5-29-67 | □ | | |
| | | 6-29-67 | □ | | |
| | | 7-27-67 | □ | | |
| | | 8-28-67 | □ | | |
| | | 9-22-67 | □ | | |
| 12S/17E-21H01 M | 228.0 | 2-08-67 | 74.5 | 153.5 | 5001 |
| 12S/17E-26C01 M | 235.0 | 10-25-66 | 64.4 | 170.6 | 5001 |
| | | 11-28-66 | 64.8 | 170.2 | |
| | | 12-27-66 | 62.0 | 173.0 | |
| | | 1-26-67 | 61.4 | 173.6 | |
| | | 2-27-67 | 61.8 | 173.2 | |
| | | 3-29-67 | 63.8 | 171.2 | |
| | | 4-28-67 | 60.9 | 173.1 | |
| | | 5-29-67 | 62.0 | 173.0 | |
| | | 6-29-67 | 63.0 | 172.0 | |
| | | 7-27-67 | □ | | |
| | | 8-28-67 | 61.0 | 174.0 | |
| | | 9-22-67 | 61.5 | 173.5 | |
| 12S/17E-34R01 M | 234.0 | 10-25-66 | 60.4 | 173.6 | 5001 |
| | | 11-28-66 | □ | | |
| | | 12-27-66 | 60.4 | 173.6 | |
| | | 1-26-67 | 56.5 | 177.5 | |
| | | 2-27-67 | 54.5 | 179.5 | |
| | | 3-29-67 | 57.7 | 176.3 | |
| | | 4-28-67 | 55.6 | 178.4 | |
| | | 5-29-67 | 56.5 | 177.5 | |
| | | 6-29-67 | 58.0 | 176.0 | |
| | | 7-27-67 | 57.4 | 176.6 | |
| | | 8-28-67 | 55.2 | 178.8 | |
| | | 9-22-67 | 55.9 | 178.1 | |
| 12S/18E-13R01 M | 288.0 | 10-25-66 | 81.0 | 207.0 | 5001 |
| | | 11-28-66 | 80.5 | 207.5 | |
| | | 12-27-66 | 80.0 | 208.0 | |
| MADERA IRRIGATION DISTRICT | | | | | |
| 5-22.13 | | | | | |
| 12S/18E-13R01 M | 288.0 | 1-26-67 | 79.6 | 208.4 | 5001 |
| CONT. | | 2-27-67 | 80.2 | 207.8 | |
| | | 3-29-67 | 79.3 | 208.7 | |
| | | 4-28-67 | 78.9 | 209.1 | |
| | | 5-29-67 | 79.8 | 208.2 | |
| | | 6-29-67 | 81.8 | 206.2 | |
| | | 7-27-67 | 80.2 | 207.8 | |
| | | 8-28-67 | 79.8 | 208.2 | |
| | | 9-22-67 | 80.9 | 207.1 | |
| 12S/18E-21G01 M | 265.0 | 2-09-67 | 80.7 | 184.3 | 5001 |
| 12S/18E-21H01 M | 267.0 | 10-25-66 | 76.9 | 190.1 | 5001 |
| | | 11-28-66 | 76.6 | 190.4 | |
| | | 12-27-66 | 76.0 | 191.0 | |
| | | 1-26-67 | 79.0 | 188.0 | |
| | | 2-27-67 | 79.8 | 187.2 | |
| | | 4-01-67 | 75.5 | 191.5 | |
| | | 4-28-67 | 73.7 | 193.3 | |
| | | 5-29-67 | 83.9 | 183.1 | |
| | | 6-29-67 | 85.6 | 181.4 | |
| | | 7-27-67 | 73.0 | 194.0 | |
| | | 8-28-67 | 74.3 | 192.7 | |
| | | 9-22-67 | 74.8 | 192.2 | |
| 12S/19E-28A01 M | 307.5 | 2-08-67 | 82.1 | 225.4 | 5001 |
| WEST CHOWCHILLA-MADERA AREA | | | | | |
| 5-22.14 | | | | | |
| 10S/13E-22R01 M | 119.0 | 2-08-67 | 26.5 | 92.5 | 5001 |
| 10S/14E-01R01 M | 177.0 | 2-17-67 | 68.7 | 108.3 | 5001 |
| 10S/14E-31H01 M | 130.0 | 10-25-66 | 35.8 | 94.2 | 5001 |
| | | 11-22-66 | 35.7 | 94.3 | |
| | | 12-20-66 | 38.2 | 91.8 | |
| | | 1-24-67 | 38.4 | 91.6 | |
| | | 2-28-67 | 39.6 | 90.4 | |
| | | 3-29-67 | 39.7 | 90.3 | |
| | | 4-27-67 | 40.3 | 89.7 | |
| | | 5-23-67 | 39.4 | 90.6 | |
| | | 6-27-67 | 40.2 | 89.8 | |
| | | 7-25-67 | 40.4 | 89.6 | |
| | | 8-24-67 | 41.7 | 88.3 | |
| | | 9-20-67 | 41.1 | 88.9 | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|------------------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| WEST CHOWCHILLA-MADERA AREA | | | | | |
| | | | 5-22-14 | | |
| 10S/14E-35F01 M | 151.0 | 10-25-66 | □ | | 5001 |
| | | 11-22-66 | □ | | |
| | | 12-20-66 | 76.7 | 74.3 | |
| | | 1-24-67 | 73.9 | 77.1 | |
| | | 2-28-67 | 73.5 | 77.5 | |
| | | 3-29-67 | □ | | |
| | | 4-27-67 | 69.7 | 81.3 | |
| | | 5-23-67 | □ | | |
| | | 6-27-67 | 81.5 | 69.5 | |
| | | 7-25-67 | □ | | |
| | | 8-24-67 | □ | | |
| | | 9-20-67 | □ | | |
| 11S/14E-33L01 M | 135.0 | 10-26-66 | 21.7 | 113.3 | 5001 |
| | | 11-23-66 | 17.9 | 117.1 | |
| | | 12-21-66 | 13.3 | 121.7 | |
| | | 1-24-67 | 12.2 | 122.8 | |
| | | 2-27-67 | 19.0 | 116.0 | |
| | | 3-29-67 | □ | | |
| | | 4-28-67 | 11.2 | 123.8 | |
| | | 5-24-67 | 11.4 | 123.6 | |
| | | 6-28-67 | 11.1 | 123.9 | |
| | | 7-26-67 | □ | | |
| | | 8-24-67 | 14.6 | 120.4 | |
| | | 9-21-67 | 14.6 | 120.4 | |
| 11S/15E-33E01 M | 158.0 | 2-07-67 | 47.8 | 110.2 | 5001 |
| 11S/15E-33P01 M | 158.0 | 10-25-66 | 61.1 | 96.9 | 5001 |
| | | 11-23-66 | 58.8 | 99.2 | |
| | | 12-21-66 | 45.4 | 112.6 | |
| | | 1-25-67 | 45.0 | 113.0 | |
| | | 2-27-67 | 45.8 | 112.2 | |
| | | 3-31-67 | □ | | |
| | | 4-28-67 | 54.1 | 103.9 | |
| | | 5-24-67 | 66.5 | 91.5 | |
| | | 6-28-67 | 64.0 | 94.0 | |
| | | 7-26-67 | 65.5 | 92.5 | |
| | | 8-24-67 | 66.5 | 91.5 | |
| | | 9-21-67 | 63.7 | 94.3 | |
| WEST CHOWCHILLA-MADERA AREA | | | | | |
| | | | 5-22-14 | | |
| 12S/14E-25H01 M | 150.0 | 10-26-66 | 16.8 | 133.2 | 5001 |
| | | 11-23-66 | 15.8 | 134.2 | |
| | | 12-21-66 | 15.8 | 134.2 | |
| | | 1-25-67 | 15.9 | 134.1 | |
| | | 2-27-67 | 16.8 | 133.2 | |
| | | 3-30-67 | 15.9 | 134.1 | |
| | | 4-28-67 | 14.5 | 136.5 | |
| | | 5-24-67 | 15.6 | 134.4 | |
| | | 6-28-67 | 13.6 | 136.4 | |
| | | 7-26-67 | □ | | |
| | | 8-24-67 | 18.6 | 131.4 | |
| | | 9-21-67 | □ | | |
| 12S/15E-14L01 M | 165.1 | 2-06-67 | □ | | 5001 |
| 13S/16E-02C01 M | 194.0 | 10-25-66 | 76.3 | 117.7 | 5001 |
| | | 11-28-66 | 70.0 | 124.0 | |
| | | 12-27-66 | 62.5 | 131.5 | |
| | | 1-26-67 | 62.0 | 132.0 | |
| | | 2-27-67 | 61.9 | 132.1 | |
| | | 3-29-67 | 65.0 | 129.0 | |
| | | 4-28-67 | 59.0 | 135.0 | |
| | | 5-29-67 | 66.9 | 127.1 | |
| | | 6-29-67 | 68.0 | 126.0 | |
| | | 7-27-67 | 80.2 | 113.8 | |
| | | 8-28-67 | 77.4 | 116.6 | |
| | | 9-22-67 | 78.0 | 116.0 | |
| FRESNO IRRIGATION DISTRICT | | | | | |
| | | | 5-22-15 | | |
| 12S/20E-14A01 M | 360.0 | 2-13-67 | 101.7 | 258.3 | 5001 |
| 12S/21E-34D01 M | 387.7 | 11-01-66 | 62.4 | 325.3 | 5631 |
| | | 12-01-66 | 60.0 | 327.7 | |
| | | 12-27-66 | 64.4 | 323.3 | |
| | | 1-31-67 | 63.6 | 324.1 | |
| | | 3-01-67 | 64.0 | 323.7 | |
| | | 4-03-67 | 56.1 | 331.6 | |
| | | 4-25-67 | 55.4 | 332.3 | |
| | | 5-31-67 | 55.8 | 331.9 | |
| | | 6-29-67 | 50.2 | 337.5 | |
| | | 7-28-67 | 56.2 | 331.5 | |
| | | 8-25-67 | 55.8 | 331.9 | |
| | | 9-26-67 | 55.2 | 332.5 | |

TABLE C-3(Cont.)

GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|----------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| FRESNO IRRIGATION DISTRICT | | | | | |
| 5-22.15 | | | | | |
| 12S/22E-21E01 M | 473.0 | 2-10-67 | 19.5 | 453.5 | 5001 |
| 13S/17E-22B01 M | 220.8 | 10-24-66 | 37.4 | 183.4 | 5631 |
| | | 11-28-66 | 33.9 | 181.9 | |
| | | 12-29-66 | 43.0 | 177.8 | |
| | | 1-31-67 | 42.3 | 178.5 | |
| | | 3-01-67 | 41.0 | 179.8 | |
| | | 4-03-67 | 40.8 | 180.0 | |
| | | 4-26-67 | 39.0 | 181.8 | |
| | | 5-25-67 | 36.9 | 183.9 | |
| | | 6-27-67 | 35.5 | 185.3 | |
| | | 7-25-67 | 35.8 | 185.0 | |
| | | 8-29-67 | 36.4 | 184.4 | |
| 13S/17E-33D01 M | 211.0 | 10-24-66 | □ | 152.0 | 5001 |
| | | 11-21-66 | 59.0 | 151.1 | |
| | | 12-19-66 | 59.9 | 155.5 | |
| | | 1-23-67 | 55.5 | 158.0 | |
| | | 2-27-67 | 53.0 | 157.1 | |
| | | 3-28-67 | 53.9 | 159.5 | |
| | | 4-26-67 | 51.5 | 158.1 | |
| | | 5-22-67 | 52.9 | 157.3 | |
| | | 6-26-67 | 53.7 | 156.0 | |
| | | 7-24-67 | 55.0 | 155.0 | |
| | | 8-22-67 | 56.0 | 158.8 | |
| | | 9-19-67 | 52.2 | 207.1 | |
| 13S/18E-10P01 M | 258.0 | 10-24-66 | 50.9 | 199.3 | 5001 |
| | | 11-21-66 | 58.7 | 199.8 | |
| | | 12-19-66 | 58.2 | 199.5 | |
| | | 1-23-67 | 58.5 | 199.3 | |
| | | 2-27-67 | 58.7 | 201.2 | |
| | | 3-30-67 | 56.8 | 199.4 | |
| | | 4-26-67 | 58.6 | 200.0 | |
| | | 5-22-67 | 58.0 | 207.4 | |
| | | 6-26-67 | 50.6 | 203.4 | |
| | | 7-24-67 | 54.6 | 204.3 | |
| | | 8-22-67 | 53.7 | 209.5 | |
| | | 9-19-67 | 48.5 | 193.1 | |
| 13S/18E-16D01 M | 253.0 | 2-07-67 | 59.9 | | 5001 |
| FRESNO IRRIGATION DISTRICT | | | | | |
| 5-22.15 | | | | | |
| 13S/18E-34D01 M | 245.0 | 10-24-66 | □ | 183.4 | 5001 |
| | | 11-21-66 | 61.6 | 184.5 | |
| | | 12-19-66 | 60.5 | 184.6 | |
| | | 1-23-67 | 60.4 | 185.0 | |
| | | 2-27-67 | 60.0 | 182.3 | |
| | | 3-28-67 | 62.7 | 182.3 | |
| | | 4-26-67 | 62.7 | 183.0 | |
| | | 5-22-67 | 62.0 | 186.1 | |
| | | 6-26-67 | 58.9 | 183.6 | |
| | | 7-24-67 | 61.4 | 186.7 | |
| | | 8-22-67 | 58.3 | 187.2 | |
| | | 9-19-67 | 57.8 | | |
| 13S/19E-09Q01 M | 288.2 | 11-01-66 | 67.0 | 221.2 | 5631 |
| | | 11-28-66 | 68.2 | 230.0 | |
| | | 12-31-66 | 69.8 | 218.4 | |
| | | 1-31-67 | 68.9 | 219.3 | |
| | | 3-01-67 | 69.6 | 218.6 | |
| | | 3-31-67 | 72.1 | 216.1 | |
| | | 4-26-67 | 66.5 | 221.7 | |
| | | 5-25-67 | 66.1 | 222.1 | |
| | | 6-27-67 | 63.7 | 224.5 | |
| | | 7-25-67 | 66.0 | 222.2 | |
| | | 8-28-67 | 64.4 | 223.8 | |
| 13S/19E-16K01 M | 290.0 | 10-24-66 | 83.3 | 206.7 | 5001 |
| | | 11-21-66 | 85.3 | 204.7 | |
| | | 12-19-66 | 87.5 | 202.5 | |
| | | 1-23-67 | 79.8 | 210.2 | |
| | | 2-27-67 | 79.0 | 211.0 | |
| | | 3-28-67 | □ | 211.6 | |
| | | 4-26-67 | 78.4 | 209.9 | |
| | | 5-22-67 | 80.1 | 207.1 | |
| | | 6-26-67 | 82.9 | 206.3 | |
| | | 7-24-67 | 83.7 | 207.0 | |
| | | 8-24-67 | 83.0 | 215.9 | |
| | | 9-19-67 | 74.1 | | |
| 13S/20E-02L01 M | 336.7 | 11-01-66 | 86.2 | 250.5 | 5631 |
| | | 12-01-66 | 88.7 | 248.0 | |
| | | 12-27-66 | 90.2 | 246.5 | |
| | | 1-31-67 | 89.3 | 247.4 | |
| | | 3-01-67 | 90.6 | 246.1 | |
| | | 3-30-67 | 87.6 | 249.1 | |
| | | 4-25-67 | 92.1 | 244.6 | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|----------------------------|----------------------------------|---|--|--|-----------------------|
| FRESNO IRRIGATION DISTRICT | | | | | |
| 5-22.15 | | | | | |
| 13S/20E-02L01 M CONT. | 336.7 | 5-31-67 6-27-67 7-28-67 8-28-67 9-26-67 | 96.0 88.0 90.7 □ 89.4 | 240.7 248.7 246.0 247.3 | 5631 |
| 13S/21E-23D01 M | 362.0 | 11-01-66 11-30-66 12-29-66 1-31-67 3-01-67 3-30-67 4-25-67 5-31-67 6-29-67 7-28-67 8-25-67 9-26-67 | 38.0 35.5 34.4 35.0 37.6 26.0 26.6 24.3 20.5 18.8 15.0 12.0 | 324.0 326.5 327.6 327.0 324.4 336.0 335.4 337.7 341.5 343.2 347.0 350.0 | 5631 |
| 13S/23E-31P01 M | 406.5 | 3-02-67 | 30.8 | 375.7 | 5631 |
| 14S/18E-08J01 M | 227.4 | 11-01-66 11-29-66 12-29-66 1-31-67 3-01-67 4-03-67 4-27-67 5-26-67 6-29-67 7-26-67 8-28-67 | 71.2 68.9 68.6 65.0 71.1 71.8 66.5 68.7 □ □ □ | 156.2 158.5 158.8 162.4 156.3 155.6 160.9 158.7 | 5631 |
| 14S/19E-20B02 M | 247.2 | 11-01-66 11-30-66 12-29-66 1-31-67 3-01-67 3-29-67 4-25-67 5-29-67 6-29-67 7-27-67 8-29-67 | 57.7 56.3 56.5 57.9 58.0 60.8 57.2 54.7 60.2 55.6 56.7 | 189.5 190.9 190.7 189.3 189.2 186.4 190.0 192.5 187.0 191.6 190.5 | 5631 |

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|----------------------------|----------------------------------|---|--|--|-----------------------|
| FRESNO IRRIGATION DISTRICT | | | | | |
| 5-22.15 | | | | | |
| 14S/20E-06J01 M | 279.4 | 11-01-66 11-30-66 12-30-66 1-31-67 3-01-67 3-30-67 4-25-67 5-29-67 6-27-67 7-27-67 8-28-67 9-26-67 | 68.6 67.3 66.2 71.2 64.9 66.3 66.9 66.6 70.3 70.2 70.2 69.6 | 210.8 212.1 213.2 208.2 214.5 213.1 212.5 212.8 209.1 209.2 209.2 209.8 | 5631 |
| 14S/21E-14A01 M | 334.0 | 11-01-66 11-30-66 12-28-66 1-31-67 3-01-67 3-31-67 4-26-67 | 49.0 45.4 45.6 42.1 41.4 45.4 @ | 287.6 288.6 288.4 291.9 292.6 288.6 | 5631 |
| 14S/22E-01P01 M | 397.0 | 11-01-66 12-01-66 12-27-66 1-31-67 3-01-67 3-31-67 4-26-67 5-29-67 | 41.8 41.2 46.6 40.7 40.7 40.8 39.7 @ | 355.2 355.8 350.4 356.3 356.3 356.2 357.3 | 5631 |
| 15S/20E-13E02 M | 282.5 | 11-01-66 11-30-66 12-28-66 1-31-67 3-01-67 3-29-67 4-25-67 5-29-67 6-26-67 7-27-67 8-31-67 9-27-67 | 44.5 41.2 42.9 43.9 46.2 46.3 45.2 44.0 39.9 39.0 39.0 36.7 | 238.0 241.3 239.6 238.6 236.3 236.2 237.3 238.5 242.6 243.5 243.5 245.8 | 5631 |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-------------------|----------------------------------|---|---|--|-----------------------|
| CITY OF FRESNO | | | | | |
| 13S/20E-21J01 M | 310.0 | 3-00-67 | 94.7 | 215.3 | 5200 |
| 13S/20E-23B01 M | 325.0 | 10-27-66 11-28-66 12-28-66 1-30-67 2-27-67 3-28-67 4-28-67 5-31-67 6-29-67 7-28-67 8-30-67 9-27-67 | 98.8 97.3 96.2 94.3 92.9 93.9 92.2 93.8 95.9 96.4 98.6 101.8 | 226.2 221.7 222.8 230.7 232.1 231.1 232.8 231.2 229.1 228.6 226.4 223.2 | 5200 |
| 13S/20E-28E01 M | 299.3 | 10-27-66 11-28-66 12-28-66 1-30-67 3-01-67 3-28-67 4-26-67 5-29-67 6-29-67 7-26-67 8-30-67 9-28-67 | 98.2 88.3 86.5 86.5 86.0 92.5 86.1 87.5 89.7 92.3 94.0 95.8 | 201.1 211.0 212.8 213.3 206.8 213.2 211.8 209.6 207.0 205.3 203.5 | 5200 |
| 13S/20E-35H02 M | 305.3 | 10-27-66 11-29-66 12-28-66 1-30-67 2-28-67 3-28-67 4-28-67 5-29-67 6-29-67 7-26-67 8-30-67 9-27-67 | 92.8 90.3 88.7 87.2 80.0 92.7 80.4 83.6 84.5 87.3 87.3 87.4 | 212.5 215.0 216.6 218.1 225.3 212.6 224.9 221.7 220.8 218.0 218.0 217.9 | 5200 |
| 14S/20E-10W01 M | 291.4 | 10-27-66 11-30-66 12-28-66 | 87.1 83.3 81.6 | 204.3 208.1 209.8 | 5200 |

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|--------------------|----------------------------------|---|--|---|-----------------------|
| CITY OF FRESNO | | | | | |
| 14S/20E-10W01 M | 291.4 | 1-31-67 3-01-67 3-28-67 4-26-67 5-29-67 6-28-67 7-26-67 8-30-67 9-27-67 | 5-22.16 80.1 80.1 87.3 78.2 81.6 83.9 85.9 89.3 89.9 | 211.3 211.3 204.1 213.2 209.8 207.5 205.5 202.1 201.5 | 5200 |
| FRESNO SLOUGH AREA | | | | | |
| 13S/15E-28H01 M | 162.0 | 2-09-67 | 32.7 | 129.3 | 5001 |
| 13S/15E-35D02 M | 165.5 | 10-00-66 | # | | 5001 |
| 13S/17E-17A01 M | 205.0 | 10-24-66 11-28-66 12-19-66 1-23-67 2-27-67 3-28-67 4-26-67 5-22-67 6-24-67 7-24-67 8-22-67 9-19-67 | 20.3 18.8 18.6 18.5 17.7 15.7 14.6 13.4 14.8 16.7 18.0 | 184.7 186.2 186.4 186.5 187.3 189.3 190.4 191.6 190.2 188.3 187.0 | 5001 |
| 14S/15E-25H02 M | 160.0 | 10-24-66 11-21-66 12-19-66 1-23-67 2-27-67 3-28-67 4-26-67 5-22-67 6-26-67 7-24-67 8-22-67 9-19-67 | 25.1 22.5 21.2 24.2 23.9 28.5 30.7 33.0 33.8 33.0 | 134.9 137.5 138.8 135.8 136.1 131.5 129.3 127.0 126.2 127.0 | 5001 |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|--------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| FRESNO SLOUGH AREA | | | | | |
| | | | 5-22.17 | | |
| 14S/16E-03C01 M | 177.0 | 10-24-66 | 61.2 | 115.8 | 5001 |
| | | 11-21-66 | 55.2 | 121.8 | |
| | | 12-19-66 | 53.8 | 123.2 | |
| | | 1-23-67 | 47.2 | 129.0 | |
| | | 2-27-67 | 48.0 | 129.0 | |
| | | 3-28-67 | 53.3 | 123.7 | |
| | | 4-26-67 | 45.6 | 131.4 | |
| | | 5-22-67 | 53.7 | 123.3 | |
| | | 6-26-67 | □ | | |
| | | 7-24-67 | 64.3 | 112.7 | |
| | | 8-22-67 | 65.2 | 111.8 | |
| | | 9-19-67 | 64.8 | 112.2 | |
| 14S/16E-08D01 M | 165.0 | 10-24-66 | 42.1 | 122.9 | 5001 |
| | | 11-21-66 | 37.0 | 128.0 | |
| | | 12-19-66 | 32.5 | 132.5 | |
| | | 1-23-67 | 30.1 | 134.9 | |
| | | 2-27-67 | 31.8 | 133.2 | |
| | | 3-28-67 | 46.6 | 118.4 | |
| | | 4-26-67 | 32.0 | 133.0 | |
| | | 5-22-67 | 40.7 | 124.3 | |
| | | 6-26-67 | 45.2 | 119.8 | |
| | | 7-24-67 | 49.2 | 115.8 | |
| | | 8-22-67 | 58.4 | 106.6 | |
| | | 9-19-67 | □ | | |
| 14S/16E-22N01 M | 163.0 | 2-00-67 | □ | | 5001 |
| 14S/17E-25A01 M | 211.0 | 2-00-67 | □ | | 5001 |
| 15S/16E-01L01 M | 171.0 | 2-00-67 | □ | | 5001 |
| 15S/16E-12C03 M | 169.5 | 10-24-66 | 34.5 | 135.0 | 5001 |
| | | 11-21-66 | 33.3 | 136.2 | |
| | | 12-19-66 | 32.7 | 136.8 | |
| | | 1-23-67 | 32.8 | 136.7 | |
| | | 2-27-67 | 34.9 | 134.6 | |
| | | 3-28-67 | 35.4 | 134.1 | |
| | | 4-26-67 | 34.2 | 135.3 | |
| | | 5-22-67 | 33.4 | 136.1 | |
| | | 6-26-67 | 30.9 | 138.6 | |
| | | 7-24-67 | 29.7 | 139.8 | |
| | | 8-22-67 | 29.7 | 139.8 | |
| | | 9-19-67 | 29.8 | 139.7 | |
| FRESNO SLOUGH AREA | | | | | |
| | | | 5-22.17 | | |
| 15S/17E-22R01 M | 187.0 | 2-00-67 | □ | | 5001 |
| 15S/17E-35N02 M | 182.0 | 10-24-66 | 102.9 | 79.1 | 5001 |
| | | 11-21-66 | 104.0 | 78.0 | |
| | | 12-19-66 | 96.5 | 85.5 | |
| | | 1-23-67 | 98.7 | 83.3 | |
| | | 2-27-67 | 100.7 | 81.3 | |
| | | 3-28-67 | 100.3 | 81.7 | |
| | | 4-26-67 | 95.6 | 86.4 | |
| | | 5-22-67 | 98.2 | 83.8 | |
| | | 6-26-67 | 91.7 | 90.3 | |
| | | 7-24-67 | 85.6 | 96.4 | |
| | | 8-22-67 | 85.9 | 96.1 | |
| | | 9-19-67 | 79.1 | 102.9 | |
| 15S/18E-07A02 M | 204.0 | 10-24-66 | 118.3 | 85.7 | 5001 |
| | | 11-21-66 | 109.6 | 94.4 | |
| | | 12-19-66 | 106.0 | 98.0 | |
| | | 1-23-67 | 101.5 | 102.5 | |
| | | 2-27-67 | 103.5 | 100.5 | |
| | | 3-28-67 | 108.7 | 95.3 | |
| | | 4-26-67 | 100.5 | 103.5 | |
| | | 5-22-67 | 109.5 | 94.5 | |
| | | 6-26-67 | 113.1 | 90.9 | |
| | | 7-24-67 | 117.4 | 86.6 | |
| | | 8-22-67 | 121.7 | 82.3 | |
| | | 9-19-67 | 123.9 | 80.1 | |
| 15S/18E-16G01 M | 205.8 | 2-00-67 | □ | | 5001 |
| 15S/19E-29C01 M | 227.3 | 10-00-66 | # | | 5631 |
| 16S/17E-23N01 M | 185.0 | 2-00-67 | □ | | 5001 |
| 16S/18E-03J01 M | 206.0 | 10-10-66 | 112.5 | 93.5 | 5050 |
| | | 11-04-66 | 111.0 | 95.0 | |
| | | 11-28-66 | 111.5 | 94.5 | |
| | | 1-06-67 | 109.4 | 96.6 | |
| | | 2-06-67 | 109.5 | 96.5 | |
| | | 2-21-67 | 108.5 | 97.5 | |
| | | 4-11-67 | 111.5 | 94.5 | |
| | | 4-28-67 | 111.0 | 95.0 | |
| | | 6-02-67 | 119.0 | 87.0 | |
| | | 7-03-67 | 125.5 | 80.5 | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---|----------------------------------|--|--|---|-----------------------|
| FRESNO SLOUGH AREA | | | | | |
| | | | 5-22-17 | | |
| 16S/18E-03J01 M CONT. | 206.0 | 7-31-67 9-05-67 | □ 127.0 | 79.0 | 5050 |
| 16S/18E-27C01 M | 198.0 | 2-23-67 | 105.5 | 92.5 | 5050 |
| 16S/19E-34P01 M | 220.0 | 10-10-66 11-04-66 11-28-66 1-06-67 2-06-67 2-21-67 4-11-67 4-28-67 6-02-67 7-05-67 7-31-67 9-05-67 | 102.5 98.0 98.0 96.0 98.0 94.5 □ □ 121.0 128.1 □ | 117.5 122.0 122.0 124.0 122.0 125.5 | 5050 |
| 17S/17E-12H01 M | 199.0 | 2-24-67 | □ | 99.0 91.9 | 5050 |
| 17S/18E-23A02 M | 200.0 | 2-23-67 | 76.0 | 124.0 | 5050 |
| CONSOLIDATED IRRIGATION DISTRICT | | | | | |
| | | | 5-22-18 | | |
| 14S/22E-22N01 M | 355.7 | 10-04-66 11-03-66 11-30-66 1-04-67 2-03-67 3-01-67 4-05-67 5-01-67 6-02-67 6-30-67 7-28-67 8-31-67 9-30-67 | 31.7 32.1 32.4 32.2 32.3 32.3 32.4 32.5 32.3 32.2 32.1 31.8 30.4 29.2 | 324.0 323.6 323.3 323.5 323.4 323.3 323.2 323.4 323.5 323.6 323.9 325.3 326.5 | 5636 |
| 15S/19E-24N01 M | 246.6 | 10-04-66 11-03-66 11-30-66 1-04-67 2-03-67 3-01-67 4-05-67 5-01-67 6-02-67 6-30-67 7-28-67 8-31-67 9-30-67 | 89.6 91.5 87.9 86.1 84.8 84.0 | 157.0 155.1 158.7 160.5 151.8 162.6 | 5636 |
| CONSOLIDATED IRRIGATION DISTRICT | | | | | |
| | | | 5-22-18 | | |
| 15S/19E-24N01 M CONT. | 246.6 | 4-05-67 5-01-67 6-02-67 6-30-67 7-28-67 8-31-67 9-30-67 | 87.1 84.4 89.5 90.8 92.9 88.6 85.6 | 159.5 162.2 157.1 155.8 153.7 158.0 161.0 | 5636 |
| 15S/20E-28A01 M | 264.8 | 10-04-66 11-03-66 11-30-66 1-04-67 2-03-67 3-01-67 4-05-67 5-01-67 6-02-67 6-30-67 7-28-67 8-31-67 9-30-67 | 57.8 57.7 57.5 56.8 56.4 56.2 58.2 58.1 59.7 60.8 62.4 59.4 57.3 | 207.0 207.1 207.3 208.0 208.4 208.6 205.6 206.7 205.1 204.0 202.4 205.4 207.5 | 5636 |
| 15S/21E-15D01 M | 301.0 | 10-04-66 11-03-66 11-30-66 1-04-67 2-03-67 3-01-67 4-05-67 5-01-67 6-02-67 6-30-67 7-28-67 8-31-67 9-30-67 | 36.8 36.7 36.5 35.9 35.5 35.3 35.6 35.2 35.8 32.9 36.4 35.3 34.5 | 264.2 264.3 264.5 265.1 265.5 265.7 265.4 265.8 265.2 265.1 264.6 265.7 266.5 | 5636 |
| 15S/22E-16A01 M | 337.0 | 10-04-66 11-02-66 11-30-66 1-04-67 2-03-67 3-01-67 4-05-67 | 34.0 34.9 35.9 35.0 35.0 34.9 36.3 | 303.0 302.1 301.1 302.0 302.0 302.1 300.7 302.0 | 5636 |

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---|----------------------------------|----------|---|---------------------------------|-----------------------|
| CONSOLIDATED IRRIGATION DISTRICT | | | | | |
| 5-22.18 | | | | | |
| 15S/22E-16A01 M | 337.0 | 6-02-67 | 34.9 | 302.1 | 5636 |
| CONT. | | 6-30-67 | 33.5 | 303.5 | |
| | | 7-28-67 | 32.8 | 304.2 | |
| | | 8-31-67 | 30.6 | 306.4 | |
| | | 9-30-67 | 29.1 | 307.9 | |
| | | | | | |
| 15S/22E-29D01 M | 321.9 | 10-04-66 | 39.0 | 282.9 | 5636 |
| | | 11-03-66 | 39.6 | 282.3 | |
| | | 11-30-66 | 39.5 | 282.4 | |
| | | 1-04-67 | 39.8 | 282.1 | |
| | | 2-03-67 | 39.6 | 282.3 | |
| | | 3-01-67 | 39.4 | 282.5 | |
| | | 4-05-67 | 38.0 | 283.9 | |
| | | 5-01-67 | 37.4 | 284.5 | |
| | | 6-02-67 | 38.3 | 283.6 | |
| | | 6-30-67 | 36.1 | 285.8 | |
| | | 7-28-67 | 34.5 | 287.4 | |
| | | 8-31-67 | 31.5 | 290.4 | |
| | | 9-30-67 | 30.4 | 291.5 | |
| 16S/19E-14A01 M | 235.5 | 10-04-66 | 94.5 | 141.0 | 5636 |
| | | 11-03-66 | 94.1 | 141.4 | |
| | | 11-30-66 | 92.5 | 143.0 | |
| | | 1-04-67 | 91.7 | 143.8 | |
| | | 2-03-67 | 89.3 | 146.2 | |
| | | 3-01-67 | 89.0 | 146.5 | |
| | | 4-05-67 | 94.1 | 141.4 | |
| | | 5-01-67 | 92.0 | 143.5 | |
| | | 6-02-67 | 96.8 | 138.7 | |
| | | 6-30-67 | 100.1 | 135.4 | |
| | | 7-28-67 | 101.5 | 134.0 | |
| | | 8-31-67 | 99.6 | 135.9 | |
| | | 9-30-67 | 97.1 | 138.4 | |
| 16S/20E-22N01 M | 247.7 | 10-04-66 | 72.4 | 175.3 | 5636 |
| | | 11-03-66 | 72.0 | 175.7 | |
| | | 11-30-66 | 71.8 | 175.9 | |
| | | 1-04-67 | 70.8 | 176.9 | |
| | | 2-03-67 | 69.3 | 177.4 | |
| | | 3-01-67 | 68.7 | 179.0 | |
| | | 4-05-67 | 70.5 | 177.2 | |
| | | 5-01-67 | 70.2 | 177.5 | |
| | | 6-02-67 | 69.8 | 177.9 | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| CONSOLIDATED IRRIGATION DISTRICT | | | | | |
| 5-22.18 | | | | | |
| 16S/20E-22N01 M | 247.7 | 6-30-67 | 68.4 | 179.3 | 5636 |
| CONT. | | 7-28-67 | 68.4 | 179.3 | |
| | | 8-31-67 | 68.4 | 179.3 | |
| | | 9-30-67 | 53.6 | 194.1 | |
| 16S/21E-22N01 M | 271.7 | 10-04-66 | 54.9 | 216.8 | 5636 |
| | | 11-03-66 | 53.7 | 218.0 | |
| | | 11-30-66 | 52.7 | 219.0 | |
| | | 1-04-67 | 52.0 | 219.7 | |
| | | 2-03-67 | 51.3 | 220.4 | |
| | | 3-01-67 | 51.6 | 220.1 | |
| | | 4-05-67 | 53.3 | 218.4 | |
| | | 5-01-67 | 52.0 | 219.7 | |
| | | 6-02-67 | 52.6 | 219.1 | |
| | | 6-30-67 | 53.1 | 218.6 | |
| | | 7-28-67 | 54.3 | 217.4 | |
| | | 8-31-67 | 54.1 | 217.6 | |
| | | 9-30-67 | 49.2 | 222.5 | |
| 16S/22E-23R01 M | 297.5 | 10-04-66 | 29.7 | 267.8 | 5636 |
| | | 11-03-66 | 29.1 | 268.4 | |
| | | 11-30-66 | 29.7 | 267.8 | |
| | | 1-04-67 | 29.6 | 267.9 | |
| | | 2-03-67 | 29.7 | 267.8 | |
| | | 3-01-67 | 29.7 | 267.8 | |
| | | 4-05-67 | 29.7 | 267.8 | |
| | | 5-01-67 | 29.7 | 267.8 | |
| | | 6-02-67 | 29.7 | 267.8 | |
| | | 6-30-67 | 29.7 | 267.8 | |
| | | 7-28-67 | 29.7 | 267.8 | |
| | | 8-31-67 | 29.0 | 268.5 | |
| | | 9-30-67 | 29.0 | 268.5 | |
| 17S/22E-03C01 M | 286.0 | 10-04-66 | 28.7 | 257.3 | 5636 |
| | | 11-03-66 | 29.5 | 256.5 | |
| | | 11-30-66 | 29.2 | 256.8 | |
| | | 1-04-67 | 29.6 | 256.4 | |
| | | 2-03-67 | 28.0 | 258.0 | |
| | | 3-01-67 | 27.5 | 258.5 | |
| | | 4-05-67 | 27.8 | 258.2 | |
| | | 5-01-67 | 25.8 | 260.2 | |
| | | 6-02-67 | 21.8 | 264.2 | |
| | | 6-30-67 | 19.4 | 266.6 | |
| | | | | | |
| | | | | | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---|----------------------------------|----------|---|---------------------------------|-----------------------|
| CONSOLIDATED IRRIGATION DISTRICT | | | | | |
| 5-22.18 | | | | | |
| 17S/22E-03C01 M | 286.0 | 7-28-67 | 17.0 | 269.0 | 5636 |
| CONT. | | 8-31-67 | 17.9 | 268.1 | |
| | | 9-30-67 | 15.6 | 270.4 | |
| ALTA IRRIGATION DISTRICT | | | | | |
| 5-22.19 | | | | | |
| 14S/23E-36R01 M | 391.0 | 10-28-66 | 63.1 | 327.9 | 5637 |
| | | 11-29-66 | 56.1 | 334.9 | |
| | | 1-02-67 | 57.1 | 333.9 | |
| | | 2-02-67 | 55.8 | 335.2 | |
| | | 2-28-67 | 52.0 | 339.0 | |
| | | 3-30-67 | 47.0 | 344.0 | |
| | | 5-01-67 | 42.8 | 350.7 | |
| | | 5-31-67 | 40.3 | 355.1 | |
| | | 6-30-67 | 35.9 | 352.8 | |
| | | 7-28-67 | 38.2 | 341.0 | 5001 |
| | | 8-30-67 | 54.0 | 298.7 | 5637 |
| | | 9-28-67 | 59.3 | 304.1 | |
| 14S/24E-31P01 M | 395.0 | 2-28-67 | 52.4 | 305.6 | |
| | | 10-28-66 | 51.7 | 306.3 | |
| | | 11-29-66 | 51.3 | 306.7 | |
| | | 1-02-67 | 51.5 | 306.5 | |
| | | 2-02-67 | 50.0 | 308.0 | |
| | | 2-28-67 | 48.7 | 309.3 | |
| | | 3-30-67 | 46.8 | 311.2 | |
| | | 5-01-67 | 44.3 | 313.7 | |
| | | 5-31-67 | 40.2 | 317.8 | |
| | | 6-30-67 | 37.8 | 320.2 | |
| | | 7-28-67 | 45.0 | 343.0 | 5637 |
| | | 8-30-67 | 46.0 | 342.0 | |
| | | 9-28-67 | 44.6 | 343.4 | |
| 15S/24E-22D01 M | 388.0 | 2-02-67 | 44.1 | 343.9 | |
| | | 2-24-67 | 42.5 | 345.5 | |
| | | 3-31-67 | 43.4 | 344.6 | |
| | | 4-27-67 | 39.3 | 348.7 | |
| | | 5-29-67 | 34.7 | 353.3 | |
| | | 6-29-67 | 25.7 | 362.3 | |
| | | 7-31-67 | 21.0 | 367.0 | |
| ALTA IRRIGATION DISTRICT | | | | | |
| 5-22.19 | | | | | |
| 15S/24E-22D01 M | 388.0 | 8-31-67 | 17.0 | 371.0 | 5637 |
| CONT. | | 9-29-67 | 18.6 | 369.4 | |
| 16S/23E-23E01 M | 314.0 | 10-22-66 | 31.6 | 282.4 | 5637 |
| | | 11-28-66 | 31.2 | 282.8 | |
| | | 12-28-66 | 30.8 | 283.2 | |
| | | 2-02-67 | 30.5 | 283.5 | |
| | | 2-27-67 | 30.3 | 283.7 | |
| | | 3-29-67 | 31.0 | 283.0 | |
| | | 4-26-67 | 30.4 | 283.6 | |
| | | 5-26-67 | 32.2 | 281.8 | |
| | | 6-28-67 | 29.8 | 284.2 | |
| | | 7-27-67 | 30.2 | 283.8 | |
| | | 8-29-67 | 28.2 | 285.8 | |
| | | 9-27-67 | 25.1 | 288.9 | |
| 16S/24E-21J01 M | 336.0 | 10-26-66 | 42.1 | 293.9 | 5637 |
| | | 11-25-66 | 42.2 | 293.8 | |
| | | 12-27-66 | 40.8 | 295.2 | |
| | | 2-02-67 | 40.5 | 295.5 | |
| | | 2-23-67 | 39.2 | 296.8 | |
| | | 3-28-67 | 39.1 | 296.9 | |
| | | 4-25-67 | 38.9 | 297.1 | |
| | | 5-25-67 | 37.8 | 298.2 | |
| | | 6-27-67 | 35.6 | 300.4 | |
| | | 7-26-67 | 32.6 | 303.4 | |
| | | 8-28-67 | 32.4 | 303.6 | |
| | | 9-26-67 | 30.3 | 305.7 | |
| 16S/25E-29A01 M | 364.0 | 10-26-66 | 57.4 | 306.6 | 5637 |
| | | 11-25-66 | 57.5 | 306.5 | |
| | | 12-27-66 | 51.6 | 312.4 | |
| | | 2-02-67 | 52.1 | 311.9 | |
| | | 2-23-67 | 51.7 | 312.3 | |
| | | 3-28-67 | 50.5 | 313.5 | |
| | | 4-25-67 | 49.3 | 314.7 | |
| | | 5-25-67 | 45.0 | 319.0 | |
| | | 6-27-67 | 42.5 | 321.5 | |
| | | 7-26-67 | 36.4 | 327.6 | |
| | | 8-28-67 | 33.3 | 330.7 | |
| | | 9-27-67 | | | |

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---------------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| ALTA IRRIGATION DISTRICT | | | | | |
| 5-22.19 | | | | | |
| 17S/22E-25A01 M | 276.0 | 10-27-66 | 47.3 | 227.7 | 5637 |
| | | 11-28-66 | 44.2 | 231.8 | |
| | | 12-28-66 | 43.8 | 232.2 | |
| | | 2-02-67 | 42.2 | 233.8 | |
| | | 2-27-67 | 41.2 | 234.8 | |
| | | 3-29-67 | 40.7 | 235.3 | |
| | | 4-27-67 | 39.7 | 236.3 | |
| | | 5-26-67 | 39.8 | 236.2 | |
| | | 6-28-67 | 42.6 | 233.4 | |
| | | 7-27-67 | □ | | |
| | | 8-29-67 | □ | | |
| | | 9-27-67 | 45.2 | 230.8 | |
| 17S/22E-25J01 M | 275.0 | 10-27-66 | 46.7 | 228.3 | 5637 |
| | | 11-28-66 | 45.4 | 229.6 | |
| | | 12-28-66 | 45.0 | 230.0 | |
| | | 2-02-67 | 44.2 | 230.8 | |
| | | 2-27-67 | 41.9 | 233.1 | |
| | | 3-29-67 | 41.8 | 233.2 | |
| | | 4-26-67 | 40.8 | 234.2 | |
| | | 5-26-67 | 40.5 | 234.5 | |
| | | 6-28-67 | 43.2 | 231.8 | |
| | | 7-27-67 | □ | | |
| | | 8-29-67 | □ | | |
| | | 9-27-67 | 43.1 | 231.9 | |
| 17S/24E-15A03 M | 302.0 | 10-27-66 | 47.6 | 254.4 | 5001 |
| | | 11-22-66 | 43.2 | 258.8 | |
| | | 12-21-66 | 39.1 | 262.9 | |
| | | 1-25-67 | 36.2 | 265.8 | |
| | | 3-01-67 | 33.2 | 268.8 | |
| | | 3-29-67 | 31.9 | 270.1 | |
| | | 4-27-67 | 29.2 | 272.8 | |
| | | 5-24-67 | 27.1 | 274.9 | |
| | | 6-28-67 | 25.2 | 276.8 | |
| | | 7-26-67 | 25.6 | 276.4 | |
| | | 8-23-67 | □ | | |
| | | 9-21-67 | 30.2 | 271.8 | |
| 17S/25E-10C01 M | 335.0 | 2-28-67 | 49.7 | 285.3 | 5637 |
| 17S/25E-18R01 M | 321.0 | 2-28-67 | 72.8 | 248.2 | 5637 |
| LOWER KINGS RIVER AREA | | | | | |
| 5-22.20 | | | | | |
| 17S/19E-14J01 M | 217.0 | 2-23-67 | □ | | 5050 |
| 17S/20E-20D01 M | 223.0 | 10-10-66 | 80.7 | 142.3 | 5050 |
| | | 11-04-66 | 85.0 | 138.0 | |
| | | 11-28-66 | 75.5 | 147.5 | |
| | | 1-06-67 | 70.5 | 152.5 | |
| | | 2-06-67 | 69.5 | 153.5 | |
| | | 2-21-67 | 70.0 | 153.0 | |
| | | 4-11-67 | 68.5 | 154.5 | |
| | | 4-28-67 | 67.5 | 155.5 | |
| | | 6-02-67 | 69.5 | 153.5 | |
| | | 7-05-67 | 72.5 | 150.5 | |
| | | 7-31-67 | 72.3 | 150.7 | |
| | | 9-05-67 | 68.5 | 154.5 | |
| 17S/21E-11K01 M | 257.0 | 10-10-66 | 45.5 | 211.5 | 5050 |
| | | 11-04-66 | 43.3 | 213.7 | |
| | | 11-28-66 | 45.1 | 211.9 | |
| | | 1-06-67 | 43.0 | 214.0 | |
| | | 2-06-67 | 42.0 | 215.0 | |
| | | 2-21-67 | 43.8 | 213.2 | |
| | | 4-11-67 | 40.0 | 217.0 | |
| | | 4-28-67 | 39.3 | 217.7 | |
| | | 6-02-67 | 40.0 | 217.0 | |
| | | 7-05-67 | 46.0 | 211.0 | |
| | | 7-31-67 | □ | | |
| | | 9-05-67 | □ | | |
| 18S/19E-26E01 M | 210.0 | 3-02-67 | □ | | 5050 |
| 18S/20E-16A01 M | 230.0 | 3-01-67 | □ | | 5050 |
| 18S/21E-10R01 M | 254.0 | 10-10-66 | 78.5 | 175.5 | 5050 |
| | | 11-04-66 | 69.0 | 185.0 | |
| | | 11-28-66 | 68.5 | 185.5 | |
| | | 1-06-67 | 63.4 | 190.6 | |
| | | 2-06-67 | 59.8 | 194.2 | |
| | | 2-21-67 | 60.2 | 193.8 | |
| | | 4-11-67 | 61.7 | 192.3 | |
| | | 4-28-67 | 59.0 | 195.0 | |
| | | 6-02-67 | 61.0 | 193.0 | |
| | | 7-05-67 | 76.8 | 177.2 | |
| | | 7-31-67 | 72.4 | 181.6 | |
| | | 9-05-67 | 73.2 | 180.8 | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|--|----------------------------------|----------|---|---------------------------------|-----------------------|
| LOWER KINGS RIVER AREA | | | | | |
| 19S/19E-25A01 M | 208.0 | 2-28-67 | 2.5 | 205.5 | 5050 |
| 20S/22E-19W02 M | 211.0 | 10-10-66 | 34.5 | 176.5 | 5050 |
| | | 11-04-66 | 34.3 | 176.7 | |
| | | 11-28-66 | 32.0 | 179.0 | |
| | | 1-06-67 | 31.3 | 179.7 | |
| | | 2-06-67 | 31.0 | 180.0 | |
| | | 2-27-67 | 33.3 | 177.7 | |
| | | 4-11-67 | 29.0 | 182.0 | |
| | | 4-28-67 | 28.5 | 182.5 | |
| | | 6-02-67 | 28.0 | 183.0 | |
| | | 7-05-67 | 28.0 | 183.0 | |
| | | 7-31-67 | 26.7 | 184.3 | |
| | | 9-05-67 | 25.8 | 185.2 | |
| ORANGE COVE IRRIGATION DISTRICT | | | | | |
| 14S/24E-29C02 M | 430.5 | 10-04-66 | 50.2 | 380.3 | 5001 |
| | | 11-01-66 | 48.0 | 382.5 | |
| | | 12-01-66 | 48.0 | 382.5 | |
| | | 1-03-67 | 49.1 | 381.4 | |
| | | 2-01-67 | 43.5 | 387.0 | |
| | | 3-02-67 | 40.2 | 390.3 | |
| | | 4-03-67 | 39.5 | 391.0 | |
| | | 5-01-67 | 39.3 | 391.2 | |
| | | 7-05-67 | □ | | |
| | | 8-01-67 | □ | | |
| | | 9-01-67 | 41.1 | 389.4 | |
| 14S/25E-30D01 M | 510.0 | 2-09-67 | 33.2 | 476.8 | 5001 |
| 15S/24E-14D01 M | 405.0 | 10-04-66 | 17.8 | 387.2 | 5001 |
| | | 11-01-66 | 18.1 | 386.9 | |
| | | 12-01-66 | 19.8 | 385.2 | |
| | | 1-03-67 | 16.2 | 388.8 | |
| | | 2-01-67 | 14.3 | 390.7 | |
| | | 3-02-67 | 12.8 | 392.2 | |
| | | 4-03-67 | 12.8 | 392.2 | |
| | | 5-01-67 | 9.4 | 395.6 | |
| | | 7-05-67 | 10.2 | 394.8 | |
| | | 8-01-67 | 14.2 | 390.8 | |
| | | 9-01-67 | 10.0 | 395.0 | |
| 16S/25E-04C02 M | 415.0 | 10-04-66 | 15.4 | 399.6 | 5001 |
| | | 11-03-66 | 15.9 | 399.1 | |

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---|----------------------------------|----------|---|---------------------------------|-----------------------|
| ORANGE COVE IRRIGATION DISTRICT | | | | | |
| 16S/25E-04C02 M | 415.0 | 12-01-66 | 13.5 | 401.5 | 5001 |
| | | 1-04-67 | 14.8 | 400.2 | |
| | | 2-01-67 | 14.4 | 400.6 | |
| | | 3-02-67 | 13.5 | 401.5 | |
| | | 4-03-67 | 13.9 | 401.1 | |
| | | 4-27-67 | 12.0 | 403.0 | |
| | | 7-06-67 | 13.5 | 401.5 | |
| | | 8-03-67 | 10.5 | 404.5 | |
| | | 9-06-67 | 10.9 | 404.1 | |
| STONE CORRAL IRRIGATION DISTRICT | | | | | |
| 16S/26E-32R01 M | 405.0 | 10-27-66 | 2.5 | 402.5 | 5001 |
| | | 11-22-66 | 2.5 | 402.5 | |
| | | 12-21-66 | 0.8 | 404.2 | |
| | | 1-25-67 | 0.5 | 404.5 | |
| | | 3-01-67 | 0.1 | 404.9 | |
| | | 3-29-67 | 1.4 | 403.6 | |
| | | 4-27-67 | 0.4 | 404.6 | |
| | | 5-24-67 | 1.6 | 403.4 | |
| | | 6-28-67 | 2.1 | 402.9 | |
| | | 7-26-67 | 2.3 | 402.7 | |
| | | 8-23-67 | 2.4 | 402.6 | |
| | | 9-21-67 | 2.5 | 402.5 | |
| 17S/26E-07R01 M | 364.0 | 10-27-66 | 8.6 | 355.4 | 5001 |
| | | 11-22-66 | 9.4 | 354.6 | |
| | | 12-21-66 | 7.0 | 357.0 | |
| | | 1-25-67 | 6.7 | 357.3 | |
| | | 3-01-67 | 7.1 | 356.9 | |
| | | 3-29-67 | 7.3 | 356.7 | |
| | | 4-27-67 | 5.7 | 358.3 | |
| | | 5-24-67 | 6.0 | 358.0 | |
| | | 6-28-67 | 6.6 | 357.4 | |
| | | 7-26-67 | 5.0 | 359.0 | |
| | | 8-23-67 | 4.6 | 359.4 | |
| | | 9-20-67 | 4.2 | 359.8 | |
| IVANHOE IRRIGATION DISTRICT | | | | | |
| 17S/25E-27R01 M | 350.0 | 2-02-67 | 89.2 | 260.8 | 5001 |
| 17S/25E-35W01 M | 349.0 | 10-01-66 | 86.6 | 262.4 | 5001 |
| | | 11-04-66 | 85.7 | 263.3 | |
| | | 12-09-66 | 84.7 | 264.3 | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA | | | |
|-----------------------------|----------------------------------|-----------------------------|---|---------------------------------|-----------------------|------|--|--|
| IVANHOE IRRIGATION DISTRICT | | | | | | | | |
| 5-22.23 | | | | | | | | |
| 17S/25E-35W01 M CONT. | 349.0 | 1-04-67 | 84.2 | 264.8 | 5001 | | | |
| | | 2-02-67 | 83.5 | 265.5 | | | | |
| | | 3-02-67 | 82.4 | 266.6 | | | | |
| | | 4-05-67 | 81.5 | 267.5 | | | | |
| | | 5-01-67 | 80.3 | 268.7 | | | | |
| | | 6-06-67 | 79.5 | 269.5 | | | | |
| | | 7-06-67 | □ | | | | | |
| | | 8-04-67 | □ | | | | | |
| | | 9-05-67 | □ | | | | | |
| | | 10-01-66 | 85.5 | 279.5 | | 5001 | | |
| 11-04-66 | 82.0 | 283.0 | | | | | | |
| 12-09-66 | 79.1 | 285.9 | | | | | | |
| 1-04-67 | 78.0 | 287.0 | | | | | | |
| 2-02-67 | 77.0 | 288.0 | | | | | | |
| 17S/25E-36W01 M | 365.0 | 3-02-67 | 75.1 | 289.9 | | | | |
| | | 4-05-67 | 73.3 | 291.7 | | | | |
| | | 5-01-67 | 71.0 | 294.0 | | | | |
| | | 6-06-67 | 70.8 | 294.2 | | | | |
| | | 7-06-67 | 72.0 | 293.0 | | | | |
| | | 8-04-67 | 72.5 | 292.5 | | | | |
| | | 9-05-67 | 72.5 | 292.5 | | | | |
| | | 10-01-66 | 21.2 | 372.8 | | 5001 | | |
| | | 10-27-66 | 20.0 | 374.0 | | | | |
| | | 12-01-66 | □ | | | | | |
| 12-09-66 | 18.2 | 375.8 | | | | | | |
| 1-04-67 | 18.1 | 375.9 | | | | | | |
| | | 2-02-67 | 19.1 | 374.9 | | | | |
| | | 3-02-67 | 18.8 | 375.2 | | | | |
| | | 4-05-67 | 17.8 | 376.2 | | | | |
| | | 5-01-67 | 15.9 | 378.1 | | | | |
| | | 6-06-67 | 17.4 | 376.6 | | | | |
| | | 7-06-67 | 15.1 | 378.9 | | | | |
| | | 8-04-67 | 15.1 | 378.9 | | | | |
| | | 9-05-67 | 15.5 | 378.5 | | | | |
| | | 10-01-66 | □ | | | 5001 | | |
| | | 11-04-66 | □ | | | | | |
| 12-09-66 | 66.1 | 318.9 | | | | | | |
| 1-04-67 | 68.0 | 317.0 | | | | | | |
| 2-02-67 | 67.0 | 318.0 | | | | | | |
| 17S/26E-32W01 M | 385.0 | 3-02-67 | 66.0 | 319.0 | | | | |
| | | 4-05-67 | □ | | | | | |
| | | 5-01-67 | 64.3 | 320.7 | | | | |
| | | IVANHOE IRRIGATION DISTRICT | | | | | | |
| | | 5-22.23 | | | | | | |
| 17S/26E-32W01 M CONT. | 349.0 | 6-06-67 | 64.0 | 321.0 | 5001 | | | |
| | | 7-06-67 | 64.0 | 321.0 | | | | |
| | | 8-04-67 | □ | | | | | |
| | | 9-05-67 | □ | | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| 11-04-66 | 66.0 | 350.0 | | | | | | |
| 12-09-66 | 62.8 | 353.2 | | | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6-06-67 | 54.5 | 361.5 | | | | |
| | | 7-06-67 | 56.0 | 360.0 | | | | |
| | | 8-04-67 | 56.0 | 360.0 | | | | |
| | | 9-05-67 | 55.8 | 360.2 | | | | |
| | | 10-01-66 | 69.5 | 346.5 | | 5001 | | |
| | | 11-04-66 | 66.0 | 350.0 | | | | |
| | | 12-09-66 | 62.8 | 353.2 | | | | |
| 1-04-67 | 61.0 | 355.0 | | | | | | |
| 2-02-67 | 59.2 | 356.8 | | | | | | |
| | | 3-02-67 | 57.7 | 358.3 | | | | |
| | | 4-05-67 | 56.6 | 359.4 | | | | |
| | | 5-01-67 | 55.1 | 360.9 | | | | |
| | | 6 | | | | | | |

TABLE C-3(Cont.)

GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---------------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| KAWEAH DELTA WATER CONSERV DIST | | | | | |
| 17S/26E-17P02 M | 385.0 | 2-06-67 | 14.9 | 370.1 | 5001 |
| 17S/27E-34P01 M | 473.0 | 2-03-67 | 5.4 | 467.6 | 5001 |
| 18S/22E-29A01 M | 251.0 | 2-03-67 | 87.3 | 163.7 | 5001 |
| 18S/22E-36P01 M | 245.0 | 10-02-66 | 108.9 | 136.1 | 5129 |
| | | 10-29-66 | 109.8 | 135.2 | |
| | | 11-27-66 | 101.6 | 143.4 | |
| | | 12-26-66 | 98.9 | 146.1 | |
| | | 2-03-67 | 93.5 | 151.5 | |
| | | 2-28-67 | 91.3 | 153.7 | |
| | | 4-02-67 | 89.9 | 155.1 | |
| | | 4-30-67 | 87.9 | 157.1 | |
| | | 6-04-67 | 90.1 | 154.9 | 5001 |
| | | 7-01-67 | 93.5 | 151.5 | |
| | | 7-29-67 | 94.9 | 150.1 | |
| | | 9-03-67 | 101.5 | 143.5 | |
| 18S/23E-12H01 M | 282.5 | 11-02-66 | 67.7 | 214.8 | 5001 |
| | | 12-01-66 | 60.3 | 222.2 | |
| | | 1-04-67 | 58.1 | 224.4 | |
| | | 2-01-67 | 56.3 | 226.2 | |
| | | 3-03-67 | 55.5 | 227.0 | |
| | | 4-03-67 | 55.5 | 226.3 | |
| | | 5-01-67 | 56.2 | 227.9 | |
| | | 6-02-67 | 54.6 | 226.9 | |
| | | 7-07-67 | 56.6 | 223.1 | |
| | | 7-28-67 | 59.4 | 220.3 | |
| | | 9-06-67 | 62.2 | 220.3 | 5129 |
| 18S/23E-34A01 M | 271.0 | 2-12-67 | 100.8 | 170.2 | |
| 18S/24E-26A01 M | 312.5 | 2-06-67 | 68.7 | 243.8 | |
| 18S/25E-12Q01 M | 363.0 | 2-10-67 | 49.2 | 313.8 | |
| 18S/25E-33F01 M | 338.0 | 2-10-67 | 49.8 | 288.2 | |
| 18S/26E-27E01 M | 390.0 | 2-10-67 | 19.5 | 370.5 | |
| 18S/26E-30N01 M | 367.0 | 11-02-66 | 30.6 | 336.4 | |
| | | 12-00-66 | 27.2 | 339.8 | |
| | | 1-04-67 | | | |
| | | | | | |
| KAWEAH DELTA WATER CONSERV DIST | | | | | |
| 18S/26E-30N01 M | 367.0 | 2-01-67 | 24.8 | 342.2 | 5001 |
| | | 3-03-67 | 22.4 | 344.6 | |
| | | 4-03-67 | 21.5 | 345.5 | |
| | | 5-01-67 | 19.6 | 347.4 | |
| | | 6-02-67 | 22.5 | 344.5 | |
| | | 7-07-67 | 20.5 | 346.5 | |
| | | 7-28-67 | 21.4 | 345.6 | |
| | | 9-06-67 | 18.6 | 348.4 | 5001 |
| 19S/22E-01N02 M | 245.0 | 2-07-67 | 82.5 | 162.5 | |
| 19S/22E-19A01 M | 235.0 | 10-02-66 | 107.9 | 127.1 | |
| | | 10-29-66 | 105.3 | 129.7 | |
| | | 11-27-66 | 105.3 | 129.7 | |
| | | 12-26-66 | 102.3 | 132.7 | |
| | | 2-03-67 | 99.7 | 135.3 | |
| | | 2-28-67 | 98.4 | 135.6 | |
| | | 4-02-67 | 100.4 | 134.6 | 5129 |
| | | 4-30-67 | 96.3 | 138.7 | |
| | | 6-04-67 | 98.4 | 136.6 | |
| | | 7-01-67 | 105.7 | 129.3 | |
| | | 7-29-67 | 107.6 | 127.4 | |
| | | 9-03-67 | 101.9 | 133.1 | |
| | | 9-28-67 | 95.8 | 139.2 | |
| 19S/22E-36E01 M | 234.0 | 10-25-66 | 114.5 | 119.5 | 5001 |
| | | 11-21-66 | 114.2 | 119.8 | |
| | | 12-19-66 | 114.0 | 120.0 | |
| | | 1-25-67 | 113.4 | 120.6 | |
| | | 2-27-67 | 112.9 | 121.1 | |
| | | 3-29-67 | 112.1 | 121.9 | |
| | | 4-25-67 | 109.0 | 125.0 | |
| | | 5-22-67 | 116.8 | 117.2 | |
| | | 6-26-67 | 110.3 | 123.7 | |
| | | 7-24-67 | 111.7 | 122.3 | |
| | | 8-23-67 | 110.0 | 124.0 | |
| | | 9-20-67 | 109.3 | 124.7 | 5001 |
| 19S/25E-07K01 M | 320.0 | 11-02-66 | 62.5 | 257.5 | |
| | | 12-00-66 | 61.6 | 258.4 | |
| | | 1-04-67 | 56.8 | 263.2 | |
| | | 2-01-67 | 53.9 | 266.1 | |
| | | 3-03-67 | 52.4 | 267.6 | |
| | | 4-03-67 | | | |
| | | | | | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|--|----------------------------------|---|--|--|-----------------------|
| KAWEAH DELTA WATER CONSERV DIST | | | | | |
| 5-22.24 | | | | | |
| 19S/25E-07K01 M CONT. | 320.0 | 5-01-67 6-02-67 7-07-67 7-28-67 9-06-67 | 49.7 43.1 35.1 33.4 27.5 | 270.3 276.9 284.9 286.6 292.5 | 5001 |
| 19S/26E-34R02 M | 341.0 | 10-27-66 11-22-66 12-21-66 1-25-67 3-01-67 3-29-67 4-26-67 5-24-67 6-28-67 7-26-67 8-23-67 9-20-67 | 121.1 112.1 104.0 99.0 82.7 □ 86.3 99.8 □ □ □ 98.1 | 219.9 228.9 237.0 242.0 258.3 254.7 241.2 242.9 | 5001 |
| 20S/22E-10C01 M | 226.0 | 2-07-67 | 130.0 | 96.0 | 5001 |
| 20S/25E-14F01 M | 304.5 | 10-26-66 11-22-66 12-20-66 1-25-67 2-28-67 3-28-67 4-26-67 5-23-67 6-27-67 7-25-67 8-22-67 9-19-67 | 92.6 86.7 82.3 76.9 76.7 83.7 71.7 74.5 81.3 79.3 84.4 83.4 | 211.9 217.8 222.2 227.6 227.8 220.8 232.8 230.0 223.2 225.2 220.1 221.1 | 5001 |
| TULARE IRRIGATION DISTRICT | | | | | |
| 5-22.25 | | | | | |
| 19S/23E-14R01 M CONT. | 270.0 | 6-28-67 7-31-67 8-31-67 9-29-67 | 80.3 87.8 78.5 76.3 | 189.7 182.2 191.5 193.7 | 5001 |
| 19S/23E-32H01 M | 250.5 | 2-13-67 | 100.5 | 150.0 | 5001 |
| 19S/24E-16F01 M | 290.0 | 10-31-66 11-30-66 1-04-67 2-01-67 3-01-67 3-31-67 4-28-67 5-31-67 6-28-67 7-31-67 8-31-67 9-29-67 | 95.1 90.5 88.0 91.0 88.9 □ 82.8 86.7 95.0 92.0 91.4 80.4 | 194.9 199.5 202.0 199.0 201.1 207.2 203.3 195.0 198.0 198.6 209.6 | 5001 |
| 19S/24E-27Q01 M | 290.0 | 10-31-66 11-30-66 1-04-67 2-01-67 3-01-67 3-31-67 4-28-67 5-31-67 6-28-67 7-31-67 8-31-67 9-29-67 | 99.7 93.4 91.0 83.6 93.4 91.3 86.5 89.5 94.6 96.5 94.9 86.2 | 190.3 196.6 199.0 206.4 196.6 198.7 203.5 200.5 195.4 193.5 195.1 203.8 | 5001 |
| 19S/25E-17J01 M | 327.0 | 10-31-66 11-30-66 1-04-67 2-01-67 3-01-67 3-31-67 4-28-67 6-02-67 6-28-67 7-31-67 8-31-67 9-29-67 | □ 68.0 65.1 63.1 63.5 □ 58.2 64.0 59.0 61.0 57.0 49.0 | 259.0 261.9 263.9 263.5 268.8 263.0 268.5 266.0 270.0 278.0 | 5001 |
| TULARE IRRIGATION DISTRICT | | | | | |
| 5-22.25 | | | | | |
| 19S/23E-14R01 M | 270.0 | 10-31-66 12-01-66 1-04-67 2-01-67 3-01-67 3-31-67 4-28-67 5-31-67 6-28-67 7-31-67 8-31-67 9-29-67 | 96.2 90.2 88.7 87.5 86.0 85.6 83.9 93.0 | 173.8 179.8 181.3 182.5 184.0 184.4 186.1 177.0 | 5001 |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-----------------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| TULARE IRRIGATION DISTRICT | | | | | |
| 5-22.25 | | | | | |
| 20S/23E-08B02 M | 241.0 | 10-31-66 | 113.5 | 127.5 | 5001 |
| | | 11-30-66 | 111.1 | 129.9 | |
| | | 1-04-67 | 109.6 | 131.4 | |
| | | 2-01-67 | 108.6 | 132.4 | |
| | | 3-01-67 | 107.6 | 133.4 | |
| | | 3-31-67 | 110.5 | 130.5 | |
| | | 4-28-67 | 106.8 | 134.2 | |
| | | 5-31-67 | 106.5 | 134.5 | |
| | | 6-28-67 | 113.5 | 127.5 | |
| | | 7-31-67 | 109.8 | 131.2 | |
| | | 8-31-67 | 107.8 | 133.2 | |
| | | 9-29-67 | 102.2 | 137.8 | |
| 20S/24E-16H01 M | 273.0 | 10-31-66 | 109.0 | 164.0 | 5001 |
| | | 11-30-66 | 100.2 | 172.8 | |
| | | 1-04-67 | 93.7 | 179.3 | |
| | | 2-01-67 | 95.1 | 177.9 | |
| | | 3-01-67 | 98.7 | 174.3 | |
| | | 3-31-67 | 98.6 | 174.4 | |
| | | 4-28-67 | 91.9 | 181.1 | |
| | | 5-31-67 | 97.9 | 175.1 | |
| | | 6-28-67 | 103.3 | 169.7 | |
| | | 7-31-67 | 108.1 | 164.9 | |
| | | 8-31-67 | 108.1 | 164.9 | |
| | | 9-29-67 | 96.5 | 176.5 | |
| 20S/24E-30J02 M | 250.0 | 10-31-66 | 105.4 | 144.6 | 5001 |
| | | 11-30-66 | 104.0 | 146.0 | |
| | | 1-04-67 | 103.0 | 147.0 | |
| | | 2-01-67 | 102.5 | 147.5 | |
| | | 3-01-67 | □ | 147.6 | |
| | | 3-31-67 | 102.4 | 149.1 | |
| | | 4-28-67 | 100.9 | 149.1 | |
| | | 5-31-67 | 105.3 | 144.7 | |
| | | 6-28-67 | □ | | |
| | | 7-31-67 | □ | | |
| | | 8-31-67 | □ | | |
| | | 9-29-67 | □ | | |
| 21S/23E-05F01 M | 222.0 | 10-31-66 | 109.7 | 112.3 | 5001 |
| | | 12-01-66 | 108.1 | 113.9 | |
| | | 1-04-67 | 100.1 | 121.9 | |
| | | 2-01-67 | 108.5 | 113.5 | |
| | | 3-01-67 | 104.7 | 117.3 | |
| | | 3-31-67 | 103.4 | 118.6 | |
| TULARE IRRIGATION DISTRICT | | | | | |
| 5-22.25 | | | | | |
| 21S/23E-05R01 M | 222.0 | 4-28-67 | 101.8 | 120.2 | 5001 |
| | | 5-31-67 | 99.6 | 122.4 | |
| | | 6-28-67 | 98.3 | 123.7 | |
| | | 7-31-67 | 97.1 | 124.9 | |
| | | 8-31-67 | 101.1 | 120.9 | |
| | | 9-29-67 | 92.0 | 130.0 | |
| EXETER IRRIGATION DISTRICT | | | | | |
| 5-22.26 | | | | | |
| 18S/26E-25K01 M | 436.0 | 10-27-66 | 66.9 | 369.1 | 5001 |
| | | 11-22-66 | 65.8 | 370.2 | |
| | | 12-21-66 | 60.1 | 375.9 | |
| | | 1-25-67 | 59.0 | 377.0 | |
| | | 3-01-67 | 54.7 | 381.3 | |
| | | 3-29-67 | 53.4 | 382.6 | |
| | | 4-27-67 | 53.9 | 382.1 | |
| | | 5-24-67 | 53.5 | 382.5 | |
| | | 6-28-67 | 53.8 | 382.2 | |
| | | 7-26-67 | 54.8 | 381.2 | |
| | | 8-23-67 | 55.3 | 380.7 | |
| | | 9-20-67 | 53.4 | 382.6 | |
| 18S/27E-29D01 M | 447.0 | 10-27-66 | □ | 405.7 | 5001 |
| | | 11-22-66 | 41.3 | 413.4 | |
| | | 12-21-66 | 33.6 | 414.0 | |
| | | 1-25-67 | 33.0 | 413.8 | |
| | | 3-01-67 | 33.2 | 417.0 | |
| | | 3-29-67 | 30.0 | 417.9 | |
| | | 4-27-67 | 29.1 | 417.9 | |
| | | 5-24-67 | □ | 416.6 | |
| | | 6-28-67 | 30.4 | 412.9 | |
| | | 7-26-67 | □ | | |
| | | 8-23-67 | 34.1 | | |
| | | 9-20-67 | □ | | |
| 19S/26E-14E01 M | 375.0 | 10-27-66 | 96.5 | 278.5 | 5001 |
| | | 11-22-66 | 90.8 | 284.2 | |
| | | 12-21-66 | 88.7 | 286.3 | |
| | | 1-25-67 | 87.2 | 287.8 | |
| | | 3-01-67 | 86.0 | 289.0 | |
| | | 3-29-67 | 89.4 | 286.6 | |
| | | 4-26-67 | 83.7 | 291.3 | |
| | | 5-24-67 | 83.5 | 291.5 | |
| | | 6-28-67 | □ | | |
| | | 7-26-67 | □ | | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|------------------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| EXETER IRRIGATION DISTRICT | | | | | |
| 19S/26E-14E01 M | 375.0 | 8-23-67 | 5-22.26 | 277.1 | 5001 |
| CONT. | | 9-20-67 | 97.9 | 282.2 | |
| 19S/26E-23E01 M | 359.0 | 2-08-67 | 95.4 | 263.6 | 5001 |
| LINDSAY-STRATHMORE IRRIGATION DIST | | | | | |
| 19S/27E-29D01 M | 385.0 | 2-02-67 | 68.1 | 316.9 | 5001 |
| 20S/27E-06B01 M | 372.0 | 10-26-66 | 62.5 | 309.5 | |
| | | 11-27-66 | 61.3 | 310.7 | |
| | | 12-21-66 | 58.5 | 313.5 | |
| | | 1-25-67 | 57.0 | 315.0 | |
| | | 2-28-67 | 65.0 | 307.0 | |
| | | 3-29-67 | 68.3 | 303.7 | |
| | | 4-26-67 | 62.9 | 309.1 | |
| | | 5-24-67 | 58.6 | 313.4 | |
| | | 6-28-67 | 58.5 | 313.5 | |
| | | 7-26-67 | 55.4 | 316.6 | |
| | | 8-23-67 | 54.6 | 317.4 | |
| | | 9-19-67 | 54.2 | 317.8 | |
| 20S/27E-21F01 M | 414.0 | 2-02-67 | 36.4 | 377.6 | 5001 |
| 20S/27E-29J01 M | 406.0 | 2-02-67 | 37.5 | 368.5 | 5001 |
| LINDMORE IRRIGATION DISTRICT | | | | | |
| 20S/26E-01P01 M | 360.0 | 10-26-66 | 5-22.28 | | |
| | | 11-22-66 | 105.3 | 254.7 | |
| | | 12-21-66 | 102.9 | 257.1 | |
| | | 1-25-67 | 91.7 | 268.3 | |
| | | 2-28-67 | 84.7 | 275.3 | |
| | | 3-29-67 | 82.6 | 277.4 | |
| | | 4-26-67 | 79.0 | 281.0 | |
| | | 5-24-67 | | | |
| | | 6-28-67 | 83.7 | 276.3 | |
| | | 7-26-67 | 85.3 | 274.7 | |
| | | 8-23-67 | 86.2 | 273.8 | |
| | | 9-19-67 | 85.8 | 274.2 | |
| 20S/26E-22C02 M | 341.0 | 2-07-67 | 113.0 | 228.0 | 5001 |
| LINDMORE IRRIGATION DISTRICT | | | | | |
| 20S/26E-24K01 M | 362.5 | 10-26-66 | 5-22.28 | 286.0 | 5001 |
| | | 11-22-66 | 76.5 | 287.6 | |
| | | 12-20-66 | 73.2 | 289.3 | |
| | | 1-24-67 | 72.2 | 290.3 | |
| | | 2-28-67 | 71.4 | 291.1 | |
| | | 3-28-67 | 70.5 | 292.0 | |
| | | 4-26-67 | 69.7 | 292.8 | |
| | | 5-23-67 | 70.0 | 292.5 | |
| | | 6-27-67 | 72.4 | 291.1 | |
| | | 7-25-67 | 71.8 | 290.7 | |
| | | 8-22-67 | 70.6 | 291.9 | |
| | | 9-19-67 | 70.5 | 292.0 | |
| 21S/26E-01Q01 M | 372.0 | 10-00-66 | # | | 5001 |
| 20S/26E-32A01 M | 331.5 | 10-26-66 | 117.0 | 214.5 | 5001 |
| | | 11-22-66 | 111.0 | 220.5 | |
| | | 12-20-66 | 107.0 | 224.5 | |
| | | 1-24-67 | 106.0 | 225.5 | |
| | | 2-28-67 | 103.0 | 228.5 | |
| | | 3-28-67 | 106.9 | 224.6 | |
| | | 4-26-67 | 102.5 | 229.0 | |
| | | 5-23-67 | 103.0 | 228.5 | |
| | | 6-27-67 | 105.9 | 225.6 | |
| | | 7-25-67 | 117.6 | 213.9 | |
| | | 8-22-67 | □ | | |
| | | 9-19-67 | 112.6 | 218.9 | |
| 20S/27E-29E01 M | 392.0 | 10-26-66 | 51.3 | 340.7 | 5001 |
| | | 11-22-66 | 49.0 | 343.0 | |
| | | 12-20-66 | 46.2 | 345.8 | |
| | | 1-24-67 | 44.9 | 347.1 | |
| | | 2-28-67 | 44.0 | 348.0 | |
| | | 3-28-67 | 43.4 | 348.6 | |
| | | 4-26-67 | 42.9 | 349.1 | |
| | | 5-23-67 | 43.8 | 348.2 | |
| | | 6-27-67 | 42.8 | 349.2 | |
| | | 7-25-67 | 42.0 | 350.0 | |
| | | 8-22-67 | 44.0 | 348.0 | |
| | | 9-19-67 | 39.8 | 352.2 | |
| 21S/27E-02E01 M | 429.0 | 10-26-66 | 35.6 | 393.4 | 5001 |
| | | 11-22-66 | 34.6 | 394.4 | |
| | | 12-20-66 | 29.6 | 399.4 | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---|----------------------------------|----------|---|---------------------------------|-----------------------|
| LINDMORE IRRIGATION DISTRICT | | | | | |
| 21S/27E-02E01 M | 429.0 | 1-24-67 | 28.1 | 400.9 | 5001 |
| CONT. | | 2-28-67 | 27.0 | 402.0 | |
| | | 3-28-67 | 28.0 | 401.0 | |
| | | 4-26-67 | 26.2 | 402.8 | |
| | | 5-23-67 | □ | | |
| | | 6-27-67 | □ | | |
| | | 7-25-67 | □ | | |
| | | 8-27-67 | □ | | |
| | | 9-19-67 | □ | | |
| PORTERVILLE IRRIGATION DISTRICT | | | | | |
| 21S/27E-21C01 M | 409.0 | 10-26-66 | 30.5 | 378.5 | 5001 |
| | | 11-22-66 | 29.9 | 379.1 | |
| | | 12-20-66 | 29.1 | 379.9 | |
| | | 1-24-67 | 28.1 | 380.9 | |
| | | 2-28-67 | 26.6 | 382.4 | |
| | | 3-28-67 | 26.0 | 383.0 | |
| | | 4-26-67 | 26.3 | 382.7 | |
| | | 5-23-67 | 23.6 | 385.4 | |
| | | 6-27-67 | 23.3 | 385.7 | |
| | | 7-25-67 | □ | | |
| | | 8-23-67 | 23.5 | 385.5 | |
| | | 9-19-67 | 22.6 | 386.4 | |
| 21S/27E-28E01 M | 420.0 | 10-24-66 | 25.8 | 394.2 | 5001 |
| | | 11-25-66 | 26.3 | 393.7 | |
| | | 12-23-66 | 24.0 | 396.0 | |
| | | 1-24-67 | 22.2 | 397.8 | |
| | | 2-22-67 | 20.6 | 399.4 | |
| | | 3-23-67 | 19.5 | 400.5 | |
| | | 4-24-67 | 18.5 | 401.5 | |
| | | 5-23-67 | 17.1 | 402.9 | |
| | | 6-28-67 | 17.4 | 402.6 | |
| | | 7-28-67 | 17.5 | 402.5 | |
| | | 8-23-67 | 16.9 | 403.1 | |
| | | 9-23-67 | 14.8 | 405.2 | |
| 22S/26E-01J01 M | 395.0 | 10-24-66 | 86.2 | 308.8 | 5001 |
| | | 11-25-66 | 83.5 | 311.5 | |
| | | 12-23-66 | 81.6 | 313.4 | |
| | | 1-24-67 | 80.6 | 314.4 | |
| | | 2-22-67 | 79.4 | 315.6 | |
| | | 3-23-67 | 104.9 | 290.1 | |
| | | 4-24-67 | 69.9 | 325.1 | |
| PORTERVILLE IRRIGATION DISTRICT | | | | | |
| 22S/26E-01J01 M | 395.0 | 5-22-67 | 112.2 | 282.8 | 5001 |
| CONT. | | 6-28-67 | 92.4 | 302.6 | |
| | | 7-28-67 | 106.5 | 288.5 | |
| | | 8-22-67 | 86.0 | 309.0 | |
| | | 9-23-67 | 82.7 | 312.3 | |
| 22S/27E-10R01 M | 467.0 | 2-22-67 | 109.5 | 357.5 | 5001 |
| LOWER TULE RIVER IRRIGATION DIST | | | | | |
| 21S/23E-22J01 M | 221.5 | 2-09-67 | 99.4 | 122.1 | 5001 |
| 21S/24E-15H01 M | 253.0 | 2-05-67 | 54.9 | 198.1 | 5001 |
| 21S/24E-31D01 M | 230.0 | 10-01-66 | 85.0 | 145.0 | 5001 |
| | | 11-01-66 | 85.2 | 144.8 | |
| | | 12-01-66 | 90.6 | 139.4 | |
| | | 12-31-66 | 89.8 | 140.2 | |
| | | 2-02-67 | 85.6 | 144.4 | |
| | | 2-28-67 | 85.5 | 144.5 | |
| | | 4-01-67 | 82.2 | 147.8 | |
| | | 5-02-67 | 81.2 | 148.8 | |
| | | 6-01-67 | 80.5 | 149.5 | |
| | | 6-30-67 | 79.3 | 150.7 | |
| | | 8-01-67 | 78.4 | 151.6 | |
| | | 8-31-67 | 77.6 | 152.4 | |
| | | 9-28-67 | 76.6 | 153.4 | |
| 21S/24E-35M01 M | 251.0 | 10-01-66 | 92.9 | 158.1 | 5001 |
| | | 11-01-66 | 92.6 | 158.4 | |
| | | 12-01-66 | 92.2 | 158.8 | |
| | | 12-31-66 | 92.0 | 159.0 | |
| | | 2-02-67 | 89.0 | 162.0 | |
| | | 2-28-67 | 88.9 | 162.1 | |
| | | 4-01-67 | 88.5 | 162.5 | |
| | | 5-02-67 | 88.0 | 163.0 | |
| | | 6-01-67 | 87.3 | 163.7 | |
| | | 6-30-67 | 88.8 | 162.2 | |
| | | 8-01-67 | 85.2 | 165.8 | |
| | | 8-31-67 | 83.1 | 167.9 | |
| | | 9-28-67 | 85.4 | 165.6 | |
| 21S/25E-08H01 M | 285.0 | 2-06-67 | 72.0 | 213.0 | 5001 |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|----------------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| LOWER TULE RIVER IRRIGATION DIST | | | | | |
| 21S/25E-16A01 M | 291.0 | 10-01-66 | 53.6 | 237.4 | 5001 |
| | | 11-02-66 | 52.2 | 238.8 | |
| | | 12-01-66 | 52.6 | 238.4 | |
| | | 12-31-66 | 36.9 | 254.1 | |
| | | 2-02-67 | 41.9 | 249.1 | |
| | | 2-28-67 | 42.2 | 248.8 | |
| | | 4-01-67 | 43.2 | 247.8 | |
| | | 5-02-67 | 25.1 | 265.9 | |
| | | 6-01-67 | 19.1 | 271.9 | |
| | | 6-30-67 | 19.0 | 272.0 | |
| | | 8-01-67 | 15.9 | 275.1 | |
| | | 8-31-67 | 14.6 | 276.4 | |
| | | 9-28-67 | 14.6 | 276.4 | |
| 21S/26E-06G02 M | 322.0 | 10-01-66 | 98.3 | 223.7 | 5001 |
| | | 11-01-66 | 97.5 | 224.5 | |
| | | 12-01-66 | 83.4 | 238.6 | |
| | | 12-31-66 | 80.8 | 241.2 | |
| | | 2-02-67 | 75.5 | 246.5 | |
| | | 2-28-67 | 73.9 | 248.1 | |
| | | 4-01-67 | 95.5 | 236.5 | |
| | | 5-04-67 | 71.8 | 250.2 | |
| | | 6-01-67 | 75.9 | 246.1 | |
| | | 6-30-67 | 98.8 | 223.2 | |
| | | 8-01-67 | 92.0 | 230.0 | |
| | | 8-31-67 | 101.8 | 220.2 | |
| | | 9-28-67 | 79.8 | 242.2 | |
| 21S/26E-10E01 M | 350.0 | 10-01-66 | 65.8 | 284.2 | 5001 |
| | | 11-01-66 | 65.0 | 285.0 | |
| | | 12-01-66 | 60.2 | 289.8 | |
| | | 12-31-66 | 60.3 | 289.7 | |
| | | 2-02-67 | 58.9 | 291.1 | |
| | | 2-28-67 | 58.4 | 291.6 | |
| | | 4-01-67 | 58.6 | 291.4 | |
| | | 5-04-67 | 52.6 | 297.4 | |
| | | 6-01-67 | 51.0 | 299.0 | |
| | | 6-30-67 | 52.1 | 297.9 | |
| | | 8-01-67 | 53.3 | 296.7 | |
| | | 8-31-67 | 55.6 | 294.4 | |
| | | 9-28-67 | 50.4 | 299.6 | |
| 22S/24E-09A01 M | 245.0 | 10-01-66 | 121.2 | 123.8 | 5001 |
| | | 11-01-66 | 122.7 | 122.3 | |
| | | 12-01-66 | 119.3 | 125.7 | |
| LOWER TULE RIVER IRRIGATION DIST | | | | | |
| 22S/24E-09A01 M | 245.0 | 12-31-66 | 118.6 | 126.4 | 5001 |
| | | 2-02-67 | 118.1 | 126.9 | |
| | | 2-28-67 | 118.0 | 127.0 | |
| | | 4-01-67 | 117.2 | 127.8 | |
| | | 5-04-67 | 116.5 | 128.5 | |
| | | 6-01-67 | 116.5 | 128.5 | |
| | | 6-30-67 | 117.0 | 128.0 | |
| | | 8-01-67 | 117.2 | 127.8 | |
| | | 8-31-67 | □ | | |
| | | 9-28-67 | 116.6 | 128.4 | |
| 22S/24E-15A01 M | 251.5 | 2-05-67 | 138.7 | 112.8 | 5001 |
| 22S/25E-10E01 M | 296.0 | 10-01-66 | 105.3 | 190.7 | 5001 |
| | | 11-02-66 | 105.9 | 190.1 | |
| | | 12-01-66 | 104.8 | 191.2 | |
| | | 12-31-66 | 104.6 | 191.4 | |
| | | 2-02-67 | 104.3 | 191.7 | |
| | | 2-28-67 | 102.3 | 193.7 | |
| | | 4-01-67 | 105.5 | 190.5 | |
| | | 5-02-67 | 103.1 | 192.9 | |
| | | 6-01-67 | 102.3 | 193.7 | |
| | | 6-30-67 | 104.0 | 192.0 | |
| | | 8-01-67 | 104.4 | 191.6 | |
| | | 8-31-67 | 102.8 | 193.2 | |
| | | 9-28-67 | 100.1 | 195.9 | |
| 22S/25E-15A01 M | 300.5 | 2-07-67 | 140.9 | 159.6 | 5001 |
| 22S/26E-06A01 M | 337.0 | 2-01-67 | 114.5 | 222.5 | 5001 |
| VANDALIA IRRIGATION DISTRICT | | | | | |
| 22S/28E-07Q01 M | 524.0 | 10-26-66 | 140.5 | 383.5 | 5001 |
| | | 11-22-66 | 132.6 | 391.4 | |
| | | 12-20-66 | 131.7 | 392.3 | |
| | | 1-24-67 | 127.5 | 396.5 | |
| | | 2-28-67 | 124.8 | 399.2 | |
| | | 3-28-67 | 123.1 | 400.9 | |
| | | 4-26-67 | 125.9 | 398.1 | |
| | | 5-23-67 | 121.0 | 403.0 | |
| | | 6-27-67 | □ | | |
| | | 7-25-67 | □ | | |
| | | 8-22-67 | □ | | |
| | | 9-19-67 | 133.0 | 391.0 | |

TABLE C-3(Cont.)

GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SUR- FACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-------------------------------|----------------------------------|----------|---|--|-----------------------------|
| VANDALIA IRRIGATION DISTRICT | | | | | |
| | | | 5-22.31 | | |
| 22S/28E-18A01 M | 535.0 | 10-26-66 | 138.1 | 396.9 | 5001 |
| | | 11-22-66 | 122.5 | 412.5 | |
| | | 12-20-66 | 117.5 | 417.5 | |
| | | 1-24-67 | 115.5 | 419.5 | |
| | | 2-28-67 | 109.8 | 425.2 | |
| | | 3-28-67 | 110.0 | 425.0 | |
| | | 4-26-67 | 107.1 | 427.9 | |
| | | 5-23-67 | 105.7 | 429.3 | |
| | | 6-27-67 | 121.8 | 413.2 | |
| | | 7-25-67 | 135.0 | 400.0 | |
| | | 8-22-67 | 133.0 | 402.0 | |
| | | 9-19-67 | 128.9 | 406.1 | |
| SAUCELITO IRRIGATION DISTRICT | | | | | |
| | | | 5-22.32 | | |
| 22S/26E-12R02 M | 396.0 | 2-22-67 | # | | 5001 |
| 22S/26E-15J01 M | 371.0 | 10-26-66 | 133.5 | 237.5 | 5001 |
| | | 11-22-66 | 132.3 | 238.7 | |
| | | 12-20-66 | 131.5 | 239.5 | |
| | | 1-24-67 | 131.0 | 240.0 | |
| | | 2-28-67 | 143.7 | 227.3 | |
| | | 3-28-67 | 142.5 | 228.5 | |
| | | 4-26-67 | 135.5 | 235.5 | |
| | | 5-23-67 | 138.4 | 232.6 | |
| | | 6-27-67 | 137.8 | 233.2 | |
| | | 7-25-67 | 135.8 | 235.2 | |
| | | 8-22-67 | | | |
| | | 9-19-67 | | | |
| SAUCELITO IRRIGATION DISTRICT | | | | | |
| | | | 5-22.32 | | |
| 22S/26E-32E01 M | 339.0 | 10-25-66 | 206.6 | 132.4 | 5001 |
| | | 11-22-66 | 203.5 | 135.5 | |
| | | 12-20-66 | 202.0 | 137.0 | |
| | | 1-24-67 | 196.2 | 142.8 | |
| | | 2-28-67 | 195.7 | 143.3 | |
| | | 3-28-67 | 194.4 | 144.6 | |
| | | 4-25-67 | 191.2 | 147.8 | |
| | | 5-23-67 | 203.0 | 136.0 | |
| | | 6-27-67 | 203.6 | 135.4 | |
| | | 7-25-67 | 203.6 | | |
| | | 8-22-67 | | | |
| | | 9-19-67 | | | |
| 23S/26E-02R01 M | 397.0 | 1-30-67 | 157.0 | 240.0 | 5001 |

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SUR- FACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-------------------------------|----------------------------------|----------|---|--|-----------------------------|
| SAUCELITO IRRIGATION DISTRICT | | | | | |
| | | | 5-22.32 | | |
| 23S/26E-03R01 M | 381.0 | 10-26-66 | 182.1 | 198.9 | 5001 |
| | | 11-22-66 | 178.9 | 202.1 | |
| | | 12-20-66 | 173.4 | 207.6 | |
| | | 1-23-67 | 173.6 | 207.4 | |
| | | 2-28-67 | 178.8 | 202.2 | |
| | | 3-28-67 | 174.4 | 206.6 | |
| | | 4-26-67 | 184.0 | 197.0 | |
| | | 5-23-67 | 193.9 | 187.1 | |
| | | 6-27-67 | | | |
| | | 7-25-67 | | | |
| | | 8-22-67 | | | |
| | | 9-19-67 | | | |
| PIXLEY IRRIGATION DISTRICT | | | | | |
| | | | 5-22.33 | | |
| 22S/25E-25N01 M | 310.0 | 10-25-66 | 210.0 | 100.0 | 5001 |
| | | 11-22-66 | 217.0 | 93.0 | |
| | | 12-20-66 | 195.2 | 114.8 | |
| | | 1-23-67 | 197.7 | 112.3 | |
| | | 2-28-67 | 196.3 | 113.7 | |
| | | 3-28-67 | 190.0 | 120.0 | |
| | | 4-25-67 | 184.3 | 125.7 | |
| | | 5-23-67 | 197.0 | 113.0 | |
| | | 6-27-67 | 198.0 | 112.0 | |
| | | 7-25-67 | 209.4 | 100.6 | |
| | | 8-22-67 | 211.0 | 99.0 | |
| | | 9-19-67 | 206.0 | 104.0 | |
| 23S/23E-02B01 M | 207.0 | 2-02-67 | 37.0 | 170.0 | 5001 |
| 23S/24E-16R01 M | 222.0 | 10-25-66 | 138.8 | 83.2 | 5001 |
| | | 11-21-66 | 137.1 | 84.9 | |
| | | 12-19-66 | 131.3 | 90.7 | |
| | | 1-23-67 | 127.3 | 94.7 | |
| | | 2-27-67 | 125.3 | 96.7 | |
| | | 3-27-67 | 126.7 | 95.3 | |
| | | 4-25-67 | 125.7 | 96.3 | |
| | | 5-22-67 | 124.3 | 97.7 | |
| | | 6-26-67 | 126.1 | 95.9 | |
| | | 7-24-67 | 131.0 | 91.0 | |
| | | 8-21-67 | 132.8 | 89.2 | |
| | | 9-18-67 | 133.8 | 88.2 | |
| 23S/25E-14C01 M | 300.0 | 2-01-67 | □ | | 5001 |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|--|----------------------------------|----------|---|---------------------------------|-----------------------|
| PIXLEY IRRIGATION DISTRICT | | | | | |
| 23S/25E-15J02 M | 291.0 | 10-00-66 | 5-22.33 | | 5001 |
| | | | # | | |
| 23S/25E-16N04 M | 263.0 | 10-27-66 | 94.6 | 168.4 | 5000 |
| | | 11-22-66 | 93.5 | 169.5 | |
| | | 12-22-66 | 92.4 | 170.6 | |
| | | 1-19-67 | 91.7 | 171.3 | |
| | | 2-15-67 | 91.2 | 171.8 | |
| | | 3-15-67 | 91.8 | 171.2 | |
| | | 4-12-67 | 91.4 | 171.6 | |
| | | 5-00-67 | □ | | |
| | | 6-07-67 | 90.4 | 172.6 | |
| | | 7-08-67 | 91.4 | 171.6 | |
| | | 8-02-67 | 91.8 | 171.2 | |
| | | 8-31-67 | 90.4 | 172.6 | |
| | | 9-27-67 | 87.4 | 175.6 | |
| 23S/26E-03R01 M | 345.0 | 10-26-66 | 190.6 | 154.4 | 5001 |
| | | 11-22-66 | 187.9 | 157.1 | |
| | | 12-20-66 | 183.8 | 161.2 | |
| | | 1-23-67 | 179.7 | 165.3 | |
| | | 2-28-67 | 185.0 | 160.0 | |
| | | 3-28-67 | 181.7 | 163.3 | |
| | | 4-26-67 | 177.5 | 167.5 | |
| | | 5-23-67 | 176.2 | 168.8 | |
| | | 6-27-67 | 181.8 | 163.2 | |
| | | 7-25-67 | 187.2 | 157.8 | |
| | | 8-22-67 | 188.4 | 156.6 | |
| | | 9-19-67 | 184.3 | 160.7 | |
| ALPAUGH-ALLENSWORTH AREA | | | | | |
| 22S/23E-28L01 M | 196.0 | 10-25-66 | 5-22.34 | | 5001 |
| | | 11-21-66 | □ | 95.9 | |
| | | 12-19-66 | 100.1 | 100.4 | |
| | | 1-23-67 | 95.6 | 110.0 | |
| | | 2-27-67 | 97.7 | 98.3 | |
| | | 3-27-67 | 84.5 | 111.5 | |
| | | 4-26-67 | □ | | |
| | | 5-23-67 | 83.0 | 113.0 | |
| | | 6-26-67 | 93.0 | 103.0 | |
| | | 7-24-67 | 101.9 | 94.1 | |
| | | 8-21-67 | 82.1 | 113.9 | |
| | | 9-18-67 | □ | | |
| ALPAUGH-ALLENSWORTH AREA | | | | | |
| 23S/23E-33A01 M | 210.0 | 10-25-66 | 5-22.34 | | 5001 |
| | | 11-21-66 | 14.4 | 195.6 | |
| | | 12-19-66 | 14.1 | 195.9 | |
| | | 1-23-67 | 14.0 | 196.0 | |
| | | 2-27-67 | 14.4 | 195.6 | |
| | | 3-27-67 | 14.0 | 196.0 | |
| | | 4-25-67 | 14.8 | 195.2 | |
| | | 5-22-67 | 14.3 | 195.7 | |
| | | 6-26-67 | 14.1 | 195.9 | |
| | | 7-24-67 | 14.3 | 195.7 | |
| | | 8-21-67 | 14.4 | 195.6 | |
| | | 9-18-67 | 14.4 | 195.6 | |
| 23S/23E-33A04 M | 210.0 | 10-00-66 | # | | 5001 |
| 24S/23E-21B02 M | 204.0 | 2-02-67 | 63.6 | 140.4 | 5001 |
| 24S/23E-34R01 M | 206.0 | 2-02-67 | 191.0 | 15.0 | 5001 |
| 24S/24E-20R01 M | 218.0 | 10-25-66 | 195.7 | 28.3 | 5001 |
| | | 11-21-66 | 189.9 | 28.1 | |
| | | 12-19-66 | 186.1 | 31.9 | |
| | | 1-23-67 | 182.2 | 35.8 | |
| | | 2-27-67 | □ | | |
| | | 3-27-67 | 182.0 | 36.0 | |
| | | 4-25-67 | 185.0 | 33.0 | |
| | | 5-22-67 | 174.7 | 43.3 | |
| | | 6-26-67 | 181.5 | 36.5 | |
| | | 7-24-67 | □ | | |
| | | 8-21-67 | 194.8 | 23.2 | |
| | | 9-18-67 | 200.9 | 17.1 | |
| 24S/24E-23Q01 M | 235.0 | 2-02-67 | 57.0 | 178.0 | 5001 |
| DELANO-EARLMART IRRIGATION DIST | | | | | |
| 23S/25E-27J02 M | 296.0 | 2-08-67 | 5-22.35 | | 5001 |
| 23S/26E-29P01 M | 356.5 | 2-08-67 | 93.0 | 203.0 | 5001 |
| 23S/27E-28J01 M | 533.3 | 2-03-67 | □ | 176.0 | 5001 |

TABLE C-3(Cont.)

GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---------------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| DELANO-EARLMART IRRIGATION DIST | | | | | |
| | | | 5-22.35 | | |
| 24S/25E-02H01 M | 321.0 | 10-25-66 | 101.2 | 218.8 | 5001 |
| | | 11-21-66 | 102.0 | 219.0 | |
| | | 12-19-66 | 100.8 | 220.2 | |
| | | 1-23-67 | 100.6 | 220.4 | |
| | | 2-27-67 | 101.5 | 219.5 | |
| | | 3-28-67 | 102.0 | 219.0 | |
| | | 4-25-67 | 97.4 | 223.6 | |
| | | 5-22-67 | 100.5 | 220.5 | |
| | | 6-27-67 | 100.8 | 220.2 | |
| | | 7-24-67 | 100.8 | 220.2 | |
| | | 8-21-67 | 100.8 | 220.2 | |
| | | 9-18-67 | 99.7 | 220.3 | |
| 24S/25E-10A01 M | 304.0 | 2-07-67 | 118.5 | 185.5 | 5001 |
| 24S/25E-33J01 M | 291.5 | 2-02-67 | 74.0 | 217.5 | 5001 |
| 24S/26E-05R01 M | 376.0 | 2-09-67 | 173.0 | 203.0 | 5001 |
| 24S/26E-20H01 M | 378.0 | 2-07-67 | 153.0 | 225.0 | 5001 |
| 24S/26E-29R02 M | 401.0 | 10-18-66 | 145.0 | 256.0 | 5000 |
| | | 11-21-66 | 140.1 | 260.9 | |
| | | 1-00-67 | □ | | |
| | | 1-16-67 | 135.4 | 265.6 | |
| | | 2-15-67 | 134.2 | 266.8 | |
| | | 3-21-67 | 141.4 | 259.6 | |
| | | 4-19-67 | 142.8 | 258.2 | |
| | | 5-31-67 | 140.5 | 260.5 | |
| | | 6-19-67 | 140.2 | 260.8 | |
| | | 7-18-67 | 144.5 | 256.5 | |
| | | 8-22-67 | 144.9 | 256.1 | |
| | | 9-18-67 | 149.6 | 251.4 | |
| 24S/26E-32G01 M | 396.0 | 2-09-67 | 125.0 | 271.0 | 5001 |
| 24S/26E-34F01 M | 445.0 | 10-27-66 | 243.0 | 202.0 | 5000 |
| | | 11-23-66 | 235.3 | 209.7 | |
| | | 12-22-66 | 227.9 | 217.1 | |
| | | 1-18-67 | 224.3 | 220.7 | |
| | | 2-15-67 | 220.0 | 225.0 | |
| | | 3-15-67 | 227.1 | 217.9 | |
| | | 4-11-67 | 233.0 | 212.0 | |
| | | 5-31-67 | □ | | |
| DELANO-EARLMART IRRIGATION DIST | | | | | |
| | | | 5-22.35 | | |
| 24S/26E-34F01 M | 445.0 | 6-07-67 | 214.8 | 230.2 | 5000 |
| | | 7-07-67 | 232.9 | 212.1 | |
| | | 8-02-67 | 243.9 | 201.1 | |
| | | 8-30-67 | 244.9 | 200.1 | |
| | | 9-28-67 | 232.8 | 212.2 | |
| 24S/27E-31P01 M | 526.5 | 1-30-67 | □ | | 5001 |
| 25S/26E-10B03 M | 430.0 | 2-09-67 | 201.5 | 228.5 | 5001 |
| 25S/26E-16P01 M | 388.0 | 10-18-66 | 92.4 | 295.6 | 5000 |
| | | 11-21-66 | 89.1 | 298.9 | |
| | | 1-00-67 | □ | | |
| | | 1-16-67 | 96.0 | 292.0 | |
| | | 2-15-67 | 96.4 | 291.6 | |
| | | 3-21-67 | 103.4 | 284.6 | |
| | | 4-19-67 | 101.9 | 286.1 | |
| | | 5-31-67 | 99.5 | 288.5 | |
| | | 6-19-67 | □ | | |
| | | 7-18-67 | 96.5 | 291.5 | |
| | | 8-22-67 | 92.7 | 295.3 | |
| | | 9-18-67 | 81.5 | 306.5 | |
| 25S/27E-22H01 M | 750.0 | 2-01-67 | □ | | 5001 |
| SOUTHERN SAN JOAQUIN MUD | | | | | |
| | | | 5-22.36 | | |
| 25S/24E-12A02 M | 253.0 | 10-18-66 | 92.0 | 161.0 | 5000 |
| | | 11-21-66 | 86.2 | 166.8 | |
| | | 1-16-67 | 77.4 | 175.6 | |
| | | 2-15-67 | 73.1 | 179.9 | |
| | | 3-21-67 | 91.3 | 161.7 | |
| | | 4-19-67 | 81.2 | 171.8 | |
| | | 5-31-67 | 88.7 | 164.3 | |
| | | 6-19-67 | □ | | |
| | | 7-18-67 | 100.2 | 152.8 | |
| | | 8-22-67 | 108.5 | 144.5 | |
| | | 9-18-67 | □ | | |
| 25S/25E-06H01 M | 259.0 | 1-00-67 | □ | | 5001 |
| 25S/25E-35P01 M | 322.0 | 2-01-67 | 163.6 | 158.4 | 5001 |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|--------------------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| SOUTHERN SAN JOAQUIN MUD | | | | | |
| 5-22.36 | | | | | |
| 25S/26E-28H01 M | 394.0 | 10-18-66 | 149.0 | 245.0 | 5000 |
| | | 11-21-66 | 147.5 | 246.5 | |
| | | 1-00-67 | □ | | |
| | | 1-16-67 | 144.9 | 249.1 | |
| | | 2-15-67 | 147.6 | 246.4 | |
| | | 3-21-67 | 151.1 | 242.9 | |
| | | 4-19-67 | 150.2 | 243.8 | |
| | | 5-31-67 | 148.1 | 245.9 | |
| | | 6-19-67 | 151.2 | 242.8 | |
| | | 7-18-67 | 149.6 | 244.4 | |
| | | 8-22-67 | 148.9 | 245.1 | |
| | | 9-18-67 | 147.4 | 246.6 | |
| 25S/26E-28H02 M | 414.0 | 2-02-67 | 164.0 | 250.0 | 5001 |
| 26S/26E-10R01 M | 503.0 | 10-18-66 | 395.5 | 107.5 | 5000 |
| | | 11-21-66 | □ | | |
| | | 1-00-67 | □ | | |
| | | 1-16-67 | 399.0 | 104.0 | |
| | | 2-15-67 | 392.0 | 111.0 | |
| | | 3-21-67 | 400.0 | 103.0 | |
| | | 4-19-67 | □ | | |
| | | 5-31-67 | □ | | |
| | | 6-19-67 | □ | | |
| | | 7-18-67 | □ | | |
| | | 8-22-67 | □ | | |
| | | 9-18-67 | □ | | |
| 26S/26E-16P01 M | 443.0 | 2-02-67 | 294.4 | 148.6 | 5001 |
| 26S/26E-29C01 M | 411.0 | 10-18-66 | 276.5 | 134.5 | 5000 |
| | | 11-22-66 | 269.8 | 141.2 | |
| | | 1-00-67 | □ | | |
| | | 1-16-67 | 303.4 | 107.6 | |
| | | 2-15-67 | 277.6 | 133.4 | |
| | | 3-21-67 | □ | | |
| | | 4-19-67 | 262.3 | 148.7 | |
| | | 5-31-67 | □ | | |
| | | 6-19-67 | □ | | |
| | | 7-18-67 | 279.5 | 131.5 | |
| | | 8-22-67 | 271.7 | 139.3 | |
| | | 9-18-67 | 267.5 | 143.5 | |
| NORTH KERN WATER STORAGE DIST | | | | | |
| 5-22.37 | | | | | |
| 26S/25E-15P01 M | 346.7 | 10-18-66 | □ | 127.7 | 5000 |
| | | 11-21-66 | 219.0 | | |
| | | 1-00-67 | □ | | |
| | | 1-16-67 | 242.0 | 104.7 | |
| | | 2-15-67 | □ | | |
| | | 3-21-67 | 217.0 | 129.7 | |
| | | 4-19-67 | 204.0 | 142.7 | |
| | | 5-31-67 | 212.0 | 134.7 | |
| | | 6-19-67 | 206.0 | 140.7 | |
| | | 7-18-67 | 244.0 | 102.7 | |
| | | 8-22-67 | 245.0 | 101.7 | |
| | | 9-18-67 | 231.0 | 115.7 | |
| 26S/25E-15R01 M | 352.3 | 2-20-67 | 185.6 | 166.7 | 5700 |
| 26S/25E-31R01 M | 336.6 | 2-00-67 | # | | 5700 |
| 26S/26E-30P01 M | 392.0 | 2-21-67 | 245.0 | 147.0 | 5700 |
| 27S/25E-01N01 M | 394.0 | 10-18-66 | 144.9 | 249.1 | 5000 |
| | | 11-21-66 | 147.8 | 246.2 | |
| | | 1-00-67 | □ | | |
| | | 1-16-67 | 149.8 | 244.2 | |
| | | 2-15-67 | 146.6 | 247.4 | |
| | | 3-21-67 | 144.9 | 249.1 | |
| | | 4-19-67 | 140.7 | 253.3 | |
| | | 5-31-67 | 126.0 | 268.0 | |
| | | 6-19-67 | 124.0 | 270.0 | |
| | | 7-18-67 | 119.0 | 275.0 | |
| | | 8-22-67 | 113.0 | 281.0 | |
| | | 9-18-67 | 124.0 | 270.0 | |
| 27S/26E-06H02 M | 416.0 | 2-02-67 | □ | | 5001 |
| 27S/26E-20D01 M | 445.5 | 10-18-66 | □ | 128.0 | 5000 |
| | | 11-21-66 | 317.5 | | |
| | | 1-00-67 | □ | 153.4 | |
| | | 1-16-67 | 292.1 | | |
| | | 2-15-67 | □ | | |
| | | 3-21-67 | 322.5 | 123.0 | |
| | | 4-19-67 | 314.5 | 131.0 | |
| | | 5-31-67 | 309.5 | 136.0 | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|--------------------------------------|----------------------------------|--|---|---|-----------------------|
| NORTH KERN WATER STORAGE DIST | | | | | |
| 27S/26E-20D01 M CONT. | 445.5 | 6-19-67 7-18-67 8-22-67 9-18-67 | 5-22.37 315.5 □ □ | 130.0 | 5000 |
| 27S/26E-20E01 M | 435.7 | 2-24-67 | 298.6 | 137.1 | 5700 |
| 27S/27E-30H02 M | 527.0 | 2-02-67 | 455.0 | 72.0 | 5001 |
| 28S/25E-13L01 M | 361.1 | 2-27-67 | 212.1 | 149.0 | 5700 |
| 28S/26E-21H01 M | 388.0 | 10-18-66 11-21-66 1-00-67 1-17-67 2-15-67 3-21-67 4-19-67 5-31-67 6-19-67 7-18-67 8-22-67 9-18-67 | 184.5 185.0 □ 186.7 183.5 182.5 178.7 162.5 172.5 203.5 198.5 164.5 | 203.5 203.0 201.3 204.5 205.5 209.3 225.5 215.5 184.5 189.5 223.5 | 5000 |
| SHAFTER-WASCO IRRIGATION DIST | | | | | |
| 27S/24E-35C01 M | 316.0 | 2-23-67 | 208.8 | 107.2 | 5700 |
| 27S/25E-28A01 M | 375.0 | 10-18-66 11-21-66 1-00-67 1-16-67 2-15-67 3-21-67 4-19-67 5-31-67 6-19-67 7-18-67 8-22-67 9-18-67 | 233.3 233.2 □ 223.1 223.7 233.2 233.3 251.0 □ □ □ 272.0 | 141.7 141.8 151.9 151.3 141.8 141.7 124.0 103.0 | 5000 |
| 28S/25E-16P01 M | 329.0 | 10-18-66 11-21-66 1-00-67 | 190.7 195.5 □ | 138.3 133.5 | 5000 |
| SHAFTER-WASCO IRRIGATION DIST | | | | | |
| 28S/25E-16P01 M CONT. | 329.0 | 1-17-67 2-15-67 3-21-67 4-19-67 5-31-67 6-19-67 7-18-67 8-22-67 9-18-67 | 5-22.38 192.6 183.3 192.9 185.3 191.3 191.5 200.0 208.0 204.0 | 136.4 145.7 136.1 143.7 137.7 137.5 129.0 121.0 125.0 | 5000 |
| KERN RIVER DELTA AREA | | | | | |
| 28S/24E-23D01 M | 306.0 | 10-18-66 11-21-66 1-00-67 1-17-67 2-15-67 3-21-67 4-19-67 5-31-67 6-19-67 7-18-67 8-22-67 9-18-67 | 5-22.40 204.0 201.1 □ 194.6 196.5 202.0 198.3 191.0 204.0 203.0 211.0 205.0 | 102.0 102.9 111.4 107.5 102.0 105.7 113.0 102.0 103.0 95.0 101.0 | 5000 |
| 28S/25E-34J01 M | 326.0 | 2-00-67 | # | | 5001 |
| 28S/26E-29L01 M | 349.0 | 3-01-67 | 162.1 | 186.9 | 5700 |
| 29S/25E-12W03 M | 330.0 | 10-18-66 11-21-66 1-00-67 1-17-67 2-15-67 3-21-67 4-19-67 5-31-67 6-19-67 7-18-67 8-23-67 9-18-67 | 160.3 158.0 □ 156.2 155.2 158.6 155.8 159.5 162.5 169.5 170.5 □ | 169.7 172.0 173.8 174.8 171.4 174.2 170.5 167.5 160.5 159.5 | 5000 |
| 29S/27E-33D01 M | 380.0 | 10-18-66 11-21-66 | 118.4 116.8 | 261.6 263.2 | 5000 |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|------------------------------|----------------------------------|---|---|---|-----------------------|
| KERN RIVER DELTA AREA | | | | | |
| 29S/27E-33D01 M CONT. | 380.0 | 1-00-67 1-17-67 2-16-67 3-21-67 4-19-67 5-31-67 6-19-67 7-18-67 8-23-67 9-18-67 | 5-22.40 □ 112.9 107.7 107.7 101.2 97.5 94.9 97.3 86.1 80.0 | 267.1 272.3 272.3 278.8 282.5 285.1 282.7 293.9 300.0 | 5000 |
| 30S/25E-03H01 M | 319.3 | 2-00-67 | # | | 5700 |
| 30S/25E-22D01 M | 308.5 | 10-03-66 11-01-66 12-01-66 1-03-67 2-03-67 3-03-67 4-03-67 5-08-67 6-02-67 7-00-67 8-04-67 9-05-67 | 70.3 71.2 71.0 71.0 70.8 70.5 69.6 68.6 69.4 □ 70.3 68.9 | 238.2 237.3 237.5 237.5 237.7 238.0 238.9 239.9 239.1 238.2 239.6 | 5640 |
| 30S/26E-16J01 M | 339.1 | 1-25-67 | 92.0 | 247.1 | 5121 |
| 30S/26E-22P02 M | 338.0 | 10-18-66 11-21-66 1-00-67 1-17-67 2-15-67 3-21-67 4-19-67 5-31-67 6-19-67 7-18-67 8-22-67 9-18-67 | 95.2 94.8 □ 93.3 96.4 101.0 88.9 92.8 100.9 101.6 104.9 97.0 | 242.8 243.2 244.7 241.6 237.0 249.1 245.2 237.1 236.4 233.1 241.0 | 5000 |
| 30S/26E-27A01 M | 338.7 | 2-00-67 | # | | 5700 |
| 30S/28E-32B01 M | 354.4 | 1-30-67 | 115.0 | 239.4 | 5001 |
| KERN RIVER DELTA AREA | | | | | |
| 30S/28E-34R02 M | 359.0 | 10-18-66 11-21-66 1-00-67 1-17-67 2-16-67 3-28-67 4-19-67 6-01-67 6-19-67 7-18-67 8-22-67 9-18-67 | 5-22.40 104.9 97.0 □ 95.3 94.3 101.4 96.0 108.2 104.3 102.8 104.1 101.4 | 254.1 262.0 263.7 264.7 257.6 263.0 250.8 254.7 256.2 254.9 257.6 | 5000 |
| 31S/26E-01A01 M | 333.0 | 1-25-67 | 103.9 | 229.1 | 5120 |
| 31S/26E-35D01 M | 294.5 | 1-25-67 | 50.2 | 244.3 | 5120 |
| 31S/27E-04L01 M | 341.1 | 3-10-67 | 133.6 | 207.5 | 5700 |
| 31S/27E-28J01 M | 312.1 | 1-23-67 | 62.5 | 249.6 | 5120 |
| 31S/28E-30M01 M | 314.7 | 3-09-67 | 112.0 | 202.7 | 5700 |
| 32S/26E-36G01 M | 378.0 | 1-23-67 | 182.2 | 195.8 | 5120 |
| 32S/27E-18E01 M | 292.6 | 3-10-67 | 158.3 | 134.3 | 5700 |
| 32S/28E-04A01 M | 303.0 | 1-31-67 | □ | | 5001 |
| EDISON-MARICOPA AREA | | | | | |
| 29S/29E-33N01 M | 578.0 | 1-31-67 | 447.0 | 131.0 | 5001 |
| 30S/28E-02R01 M | 410.0 | 1-30-67 | □ | | 5001 |
| 30S/28E-10N01 M | 373.0 | 10-18-66 11-21-66 1-00-67 1-17-67 2-16-67 3-21-67 4-19-67 6-01-67 6-19-67 | 45.1 45.7 □ 47.1 48.6 49.3 50.2 50.4 50.6 | 327.9 327.3 325.9 324.4 323.7 322.8 322.6 322.4 | 5000 |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SUR- FACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|----------------------|----------------------------------|--|--|--|-----------------------------|
| EDISON-MARICOPA AREA | | | | | |
| 30S/28E-10N01 M | 373.0 | 7-18-67 8-22-67 9-18-67 | 45.5 46.0 51.0 | 327.5 327.0 322.0 | 5000 |
| 30S/28E-10N04 M | 373.0 | 10-18-66 11-21-66 1-00-67 1-17-67 2-16-67 3-21-67 4-20-67 6-01-67 6-19-67 7-18-67 8-22-67 9-18-67 | 175.7 171.9 □ 168.4 167.1 172.5 169.0 175.0 176.5 173.5 203.5 □ | 197.3 201.1 204.6 205.9 200.5 204.0 198.0 196.5 199.5 169.5 | 5000 |
| 30S/29E-05F01 M | 515.0 | 1-31-67 | 353.0 | 162.0 | 5050 |
| 30S/29E-26A01 M | 628.0 | 1-31-67 | 488.5 | 139.5 | 5001 |
| 30S/30E-20R01 M | 791.5 | 2-02-67 | 194.0 | 597.5 | 5001 |
| 31S/29E-09A01 M | 468.0 | 2-01-67 | □ | | 5001 |
| 31S/29E-29A01 M | 400.0 | 1-31-67 | 138.5 | 261.5 | 5001 |
| 31S/30E-21G01 M | 536.0 | 1-30-67 | □ | | 5001 |
| 32S/25E-35N02 M | 442.5 | 1-26-67 | 180.0 | 262.5 | 5121 |
| 32S/28E-23R01 M | 386.7 | 1-30-67 | 282.2 | 104.5 | 5001 |
| 32S/28E-30D04 M | 303.0 | 10-19-66 11-22-66 1-00-67 1-17-67 2-16-67 3-22-67 4-20-67 6-01-67 6-20-67 7-18-67 8-23-67 9-19-67 | 276.0 259.0 □ 243.2 □ 245.7 260.0 254.0 285.0 316.0 □ | 27.0 44.0 59.8 57.3 43.0 49.0 18.0 - 13.0 | 5000 |

| | | | | | |
|----------------------|-------|--|--|---|------|
| EDISON-MARICOPA AREA | | | | | |
| 32S/29E-16R02 M | 470.0 | 10-19-66 11-22-66 1-00-67 | 328.4 328.4 # | 141.6 141.6 | 5000 |
| 32S/29E-19H02 M | 416.0 | 10-19-66 11-22-66 1-00-67 1-17-67 2-16-67 3-22-67 4-20-67 6-01-67 6-20-67 7-18-67 8-23-67 9-19-67 | 202.5 201.7 □ 207.6 202.3 203.1 202.3 203.0 203.5 221.0 204.0 207.0 | 213.5 214.3 208.4 213.7 212.9 213.7 213.0 212.5 195.0 212.0 209.0 | 5000 |
| 32S/29E-19H03 M | 416.0 | 10-19-66 11-22-66 1-00-67 1-17-67 2-16-67 3-22-67 4-20-67 6-01-67 6-20-67 7-18-67 8-23-67 9-19-67 | 336.0 324.2 □ 323.3 318.9 347.3 321.7 355.5 361.5 382.5 403.5 369.5 | 80.0 91.8 92.7 97.1 68.7 94.3 60.5 54.5 33.5 12.5 46.5 | 5000 |
| 32S/29E-21P01 M | 473.0 | 10-19-66 11-21-66 1-00-67 1-17-67 2-16-67 3-22-67 4-20-67 6-01-67 6-20-67 7-18-67 8-23-67 9-19-67 | 209.1 209.2 □ 208.7 208.8 208.2 208.6 208.8 208.0 209.0 208.5 215.0 | 263.9 263.8 264.3 264.2 264.8 264.4 264.2 265.0 264.0 264.5 258.0 | 5000 |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---------------------------------------|----------------------------------|--|--|--|-----------------------|
| EDISON-MARICOPA AREA | | | | | |
| | | | 5-22.41 | | |
| 11N/18W-06P01 S | 657.0 | 1-31-67 | □ | | 5001 |
| 11N/18W-28D01 S | 850.0 | 1-31-67 | 128.0 | 722.0 | 5001 |
| 11N/19W-04H01 S | 575.9 | 1-31-67 | 411.8 | 164.1 | 5001 |
| 11N/19W-07R03 S | 673.0 | 10-19-66 11-22-66 1-00-67 1-17-67 2-16-67 3-22-67 4-20-67 6-01-67 6-20-67 7-18-67 8-23-67 9-19-67 | 486.5 485.1 □ 500.6 500.3 504.5 504.5 500.0 504.5 485.5 517.5 538.5 | 186.5 187.9 172.4 172.7 168.5 168.5 172.0 168.5 168.5 187.5 155.5 134.5 | 5000 |
| 11N/20W-07Q01 S | 452.3 | 2-00-67 | □ | | 5700 |
| 11N/20W-18F01 S | 484.7 | 1-30-67 | 338.0 | 146.7 | 5001 |
| 11N/20W-24A01 S | 730.2 | 2-00-67 | □ | | 5700 |
| 11N/21W-05M01 S | 515.9 | 2-00-67 | □ | | 5700 |
| 11N/22W-04H01 S | 529.0 | 2-00-67 | □ | | 5700 |
| 12N/20W-31R01 S | 363.0 | 1-30-67 | 244.4 | 118.6 | 5001 |
| 12N/21W-29N01 S | 423.3 | 1-23-67 | 330.0 | 93.3 | 5121 |
| 12N/23W-28P01 S | 498.0 | 1-26-67 | 280.0 | 218.0 | 5121 |
| BUENA VISTA WATER STORAGE DIST | | | | | |
| | | | 5-22.42 | | |
| 27S/22E-16B01 M | 238.0 | 6-20-67 7-19-67 8-23-67 9-19-67 | 63.4 68.2 63.9 62.7 | 174.6 169.8 174.1 175.3 | 5000 |
| 27S/22E-21F02 M | 240.0 | 1-30-67 | 23.0 | 217.0 | 5121 |
| 27S/22E-32H01 M | 241.0 | 10-19-66 11-22-66 1-00-67 1-18-67 2-15-67 3-22-67 4-20-67 6-01-67 6-20-67 7-19-67 8-23-67 9-19-67 | 128.3 122.6 □ 114.4 112.6 115.3 116.7 112.9 114.6 127.8 129.9 125.4 | 112.7 118.4 126.6 128.4 125.7 124.3 128.1 126.4 114.2 111.1 115.6 | 5000 |
| 28S/22E-09D01 M | 240.0 | 10-19-66 11-21-66 1-00-67 1-18-67 2-16-67 3-21-67 4-20-67 6-01-67 6-20-67 7-19-67 8-23-67 9-19-67 | 22.6 23.2 □ 20.8 20.1 18.3 17.6 17.2 18.4 16.1 13.6 12.9 | 217.4 216.8 219.2 219.9 221.7 222.4 222.8 221.6 223.9 226.4 227.1 | 5000 |
| 28S/22E-10D02 M | 245.0 | 1-31-67 | 21.0 | 224.0 | 5121 |
| 28S/23E-31R01 M | 257.8 | 10-03-66 2-02-67 | 43.2 45.3 | 214.6 212.5 | 5640 |
| 29S/23E-08A01 M | 260.3 | 10-03-66 2-02-67 | 43.2 39.4 | 217.1 220.9 | 5640 |
| 29S/23E-27M01 M | 270.0 | 10-19-66 11-22-66 1-00-67 1-18-67 | 50.0 50.3 □ 47.1 | 220.0 219.7 222.9 | 5000 |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|--------------------------------|----------------------------------|----------|---------------------------------|---------------------------------|-----------------------|
| BUENA VISTA WATER STORAGE DIST | | | | | |
| 5-22.42 | | | | | |
| 29S/23E-27W01 M | 270.0 | 2-16-67 | □ | 221.2 | 5000 |
| CONT. | | 3-22-67 | 47.8 | 222.1 | |
| | | 4-20-67 | 46.9 | 223.6 | |
| | | 6-01-67 | 46.4 | 224.0 | |
| | | 6-20-67 | 46.0 | 225.3 | |
| | | 7-19-67 | 44.7 | 227.2 | |
| | | 8-23-67 | 42.8 | 229.2 | |
| | | 9-19-67 | 40.8 | | |
| | 276.8 | 10-03-66 | 65.1 | 211.7 | 5640 |
| | | 2-02-67 | 62.2 | 214.6 | |
| 30S/23E-01C01 M | | | | | |
| CONT. | | 10-03-66 | 87.9 | 199.1 | 5640 |
| | 287.0 | 2-02-67 | 84.9 | 202.1 | |
| 30S/24E-02C01 M | | | | | |
| CONT. | 283.0 | 10-19-66 | 74.6 | 208.4 | 5000 |
| | | 11-22-66 | 82.3 | 201.7 | |
| | | 1-00-67 | □ | | |
| | | 1-18-67 | 73.5 | 209.5 | |
| | | 2-16-67 | 72.4 | 210.6 | |
| | | 3-22-67 | 79.8 | 203.2 | |
| | | 4-20-67 | 71.2 | 211.8 | |
| | | 6-01-67 | 71.6 | 211.4 | |
| | | 6-20-67 | 72.9 | 210.1 | |
| | | 7-19-67 | 72.7 | 210.3 | |
| | | 8-23-67 | 72.4 | 210.6 | |
| | | 9-19-67 | □ | | |
| | 283.0 | 10-19-66 | 57.4 | 225.6 | 5000 |
| | | 11-22-66 | 58.7 | 224.3 | |
| | | 1-00-67 | □ | | |
| | | 1-17-67 | □ | | |
| | | 2-16-67 | 30.3 | 252.7 | |
| | | 3-22-67 | 27.5 | 255.5 | |
| | | 4-20-67 | 26.5 | 256.5 | |
| | | 6-01-67 | 23.6 | 259.4 | |
| | | 6-20-67 | 23.4 | 259.6 | |
| | | 7-19-67 | 22.9 | 260.1 | |
| | | 8-23-67 | 22.8 | 260.2 | |
| | | 9-19-67 | 22.9 | 260.1 | |
| SEMITROPIC WATER STORAGE DIST | | | | | |
| 5-22.43 | | | | | |
| 29S/23E-27W01 M | 270.0 | 2-16-67 | □ | 221.2 | 5000 |
| CONT. | | 3-22-67 | 47.8 | 222.1 | |
| | | 4-20-67 | 46.9 | 223.6 | |
| | | 6-01-67 | 46.4 | 224.0 | |
| | | 6-20-67 | 46.0 | 225.3 | |
| | | 7-19-67 | 44.7 | 227.2 | |
| | | 8-23-67 | 42.8 | 229.2 | |
| | | 9-19-67 | 40.8 | | |
| | 276.8 | 10-03-66 | 65.1 | 211.7 | 5640 |
| | | 2-02-67 | 62.2 | 214.6 | |
| | 287.0 | 10-03-66 | 87.9 | 199.1 | 5640 |
| | | 2-02-67 | 84.9 | 202.1 | |
| 30S/24E-04C01 M | | | | | |
| CONT. | 283.0 | 10-19-66 | 74.6 | 208.4 | 5000 |
| | | 11-22-66 | 82.3 | 201.7 | |
| | | 1-00-67 | □ | | |
| | | 1-18-67 | 73.5 | 209.5 | |
| | | 2-16-67 | 72.4 | 210.6 | |
| | | 3-22-67 | 79.8 | 203.2 | |
| | | 4-20-67 | 71.2 | 211.8 | |
| | | 6-01-67 | 71.6 | 211.4 | |
| | | 6-20-67 | 72.9 | 210.1 | |
| | | 7-19-67 | 72.7 | 210.3 | |
| | | 8-23-67 | 72.4 | 210.6 | |
| | | 9-19-67 | □ | | |
| | 283.0 | 10-19-66 | 57.4 | 225.6 | 5000 |
| | | 11-22-66 | 58.7 | 224.3 | |
| | | 1-00-67 | □ | | |
| | | 1-17-67 | □ | | |
| | | 2-16-67 | 30.3 | 252.7 | |
| | | 3-22-67 | 27.5 | 255.5 | |
| | | 4-20-67 | 26.5 | 256.5 | |
| | | 6-01-67 | 23.6 | 259.4 | |
| | | 6-20-67 | 23.4 | 259.6 | |
| | | 7-19-67 | 22.9 | 260.1 | |
| | | 8-23-67 | 22.8 | 260.2 | |
| | | 9-19-67 | 22.9 | 260.1 | |
| SEMITROPIC WATER STORAGE DIST | | | | | |
| 5-22.43 | | | | | |
| 29S/23E-27W01 M | 270.0 | 2-16-67 | □ | 221.2 | 5000 |
| CONT. | | 3-22-67 | 47.8 | 222.1 | |
| | | 4-20-67 | 46.9 | 223.6 | |
| | | 6-01-67 | 46.4 | 224.0 | |
| | | 6-20-67 | 46.0 | 225.3 | |
| | | 7-19-67 | 44.7 | 227.2 | |
| | | 8-23-67 | 42.8 | 229.2 | |
| | | 9-19-67 | 40.8 | | |
| | 276.8 | 10-03-66 | 65.1 | 211.7 | 5640 |
| | | 2-02-67 | 62.2 | 214.6 | |
| | 287.0 | 10-03-66 | 87.9 | 199.1 | 5640 |
| | | 2-02-67 | 84.9 | 202.1 | |
| 30S/24E-04C01 M | | | | | |
| CONT. | 283.0 | 10-19-66 | 74.6 | 208.4 | 5000 |
| | | 11-22-66 | 82.3 | 201.7 | |
| | | 1-00-67 | □ | | |
| | | 1-18-67 | 73.5 | 209.5 | |
| | | 2-16-67 | 72.4 | 210.6 | |
| | | 3-22-67 | 79.8 | 203.2 | |
| | | 4-20-67 | 71.2 | 211.8 | |
| | | 6-01-67 | 71.6 | 211.4 | |
| | | 6-20-67 | 72.9 | 210.1 | |
| | | 7-19-67 | 72.7 | 210.3 | |
| | | 8-23-67 | 72.4 | 210.6 | |
| | | 9-19-67 | □ | | |
| | 283.0 | 10-19-66 | 57.4 | 225.6 | 5000 |
| | | 11-22-66 | 58.7 | 224.3 | |
| | | 1-00-67 | □ | | |
| | | 1-17-67 | □ | | |
| | | 2-16-67 | 30.3 | 252.7 | |
| | | 3-22-67 | 27.5 | 255.5 | |
| | | 4-20-67 | 26.5 | 256.5 | |
| | | 6-01-67 | 23.6 | 259.4 | |
| | | 6-20-67 | 23.4 | 259.6 | |
| | | 7-19-67 | 22.9 | 260.1 | |
| | | 8-23-67 | 22.8 | 260.2 | |
| | | 9-19-67 | 22.9 | 260.1 | |

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-------------------------------|----------------------------------|----------|---------------------------------|---------------------------------|-----------------------|
| SEMITROPIC WATER STORAGE DIST | | | | | |
| 5-22.43 | | | | | |
| 25S/22E-02N02 M | 212.0 | 1-00-67 | □ | 134.7 | 5000 |
| CONT. | | 1-16-67 | 77.3 | 137.8 | |
| | | 2-15-67 | 74.2 | 140.2 | |
| | | 3-21-67 | 71.8 | 140.6 | |
| | | 4-19-67 | 71.4 | 138.5 | |
| | | 5-31-67 | 73.5 | 137.2 | |
| | | 6-19-67 | 74.8 | 134.6 | |
| | | 7-18-67 | 77.4 | 132.0 | |
| | | 8-22-67 | 80.0 | 139.6 | |
| | | 9-18-67 | 72.4 | | |
| | 215.0 | 10-03-66 | 168.5 | 46.5 | 5121 |
| | | 2-02-67 | 167.5 | 47.5 | |
| 25S/23E-28D01 M | | | | | |
| CONT. | 217.0 | 10-18-66 | 110.3 | 106.7 | 5000 |
| | | 11-21-66 | 104.3 | 112.7 | |
| | | 1-00-67 | □ | | |
| | | 1-16-67 | 96.6 | 120.4 | |
| | | 2-15-67 | 93.3 | 123.7 | |
| | | 3-21-67 | 94.5 | 122.5 | |
| | | 4-19-67 | □ | | |
| | | 5-31-67 | 96.2 | 120.8 | |
| | | 6-19-67 | 98.7 | 118.3 | |
| | | 7-18-67 | 101.0 | 116.0 | |
| | | 8-22-67 | 103.0 | 114.0 | |
| | | 9-18-67 | 109.0 | 108.0 | |
| | 217.0 | 10-18-66 | 247.5 | - 30.5 | 5000 |
| | | 11-21-66 | 216.8 | 0.2 | |
| | | 1-00-67 | □ | | |
| | | 1-16-67 | 177.3 | 39.7 | |
| | | 2-15-67 | 167.2 | 49.8 | |
| | | 3-21-67 | 195.0 | 22.0 | |
| | | 4-19-67 | □ | | |
| | | 5-31-67 | 187.1 | 29.9 | |
| | | 6-19-67 | 195.5 | 21.5 | |
| | | 7-18-67 | 233.0 | - 16.0 | |
| | | 8-22-67 | 249.0 | - 32.0 | |
| | | 9-18-67 | 254.0 | - 37.0 | |
| 25S/24E-07R01 M | 228.0 | 2-01-67 | 91.6 | 136.4 | 5001 |
| 25S/24E-15H01 M | 248.0 | 10-18-66 | 89.4 | 158.6 | 5000 |
| CONT. | | 11-21-66 | 88.7 | 158.8 | |
| | | 1-00-67 | □ | | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-------------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| SEMITROPIC WATER STORAGE DIST | | | | | |
| 5-22-43 | | | | | |
| 25S/24E-15H01 M | 248.0 | 1-16-67 | 87.6 | 160.4 | 5000 |
| CONT. | | 2-15-67 | 87.5 | 160.5 | |
| | | 3-21-67 | 87.6 | 160.4 | |
| | | 4-19-67 | 85.0 | 163.0 | |
| | | 5-31-67 | 86.9 | 161.1 | |
| | | 6-19-67 | 87.3 | 160.7 | |
| | | 7-18-67 | 87.4 | 160.6 | |
| | | 8-22-67 | 87.3 | 160.7 | |
| | | 9-18-67 | 87.3 | 160.7 | |
| | 237.4 | 2-01-67 | 161.1 | 76.3 | 5001 |
| 25S/24E-30H01 M | | | | | |
| CONT. | | 10-19-66 | 40.2 | 203.8 | 5000 |
| | 244.0 | 11-21-66 | 40.2 | 203.8 | |
| | | 1-00-67 | □ | | |
| | | 1-18-67 | 40.1 | 203.9 | |
| | | 2-16-67 | 40.0 | 204.0 | |
| | | 3-22-67 | 39.8 | 204.2 | |
| | | 4-20-67 | 39.8 | 204.2 | |
| | | 6-01-67 | 39.7 | 204.3 | |
| | | 6-20-67 | 39.4 | 204.6 | |
| | | 7-19-67 | 37.5 | 206.5 | |
| 26S/21E-14J01 M | | 8-23-67 | 37.4 | 206.6 | |
| | | 9-19-67 | 36.4 | 207.6 | |
| | 237.0 | 10-03-66 | 35.0 | 202.0 | 5121 |
| | | 2-02-67 | 36.0 | 201.0 | |
| | 225.0 | 10-18-66 | □ | | 5000 |
| | | 11-21-66 | □ | | |
| | | 1-00-67 | □ | | |
| | | 1-16-67 | 68.0 | 157.0 | |
| | | 2-16-67 | 72.6 | 152.4 | |
| | | 3-21-67 | 72.8 | 152.2 | |
| 26S/22E-10G02 M | | 4-19-67 | 72.2 | 152.8 | |
| | | 5-31-67 | 73.4 | 151.6 | |
| | | 6-17-67 | 73.8 | 151.2 | |
| | | 7-18-67 | 76.7 | 148.3 | |
| | | 8-22-67 | 79.8 | 145.2 | |
| | | 9-19-67 | □ | | |
| | 253.0 | 10-03-66 | □ | | 5121 |
| | | 2-02-67 | 109.0 | 144.0 | |
| | 234.9 | 2-01-67 | 147.0 | 87.9 | 5120 |
| | | | | | |
| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
| SEMITROPIC WATER STORAGE DIST | | | | | |
| 5-22-43 | | | | | |
| 26S/24E-23H01 M | 295.5 | 2-00-67 | □ | | 5700 |
| 27S/23E-01R01 M | | 10-18-66 | 105.5 | 161.5 | |
| | 267.0 | 11-21-66 | 105.5 | 161.5 | 5000 |
| | | 1-00-67 | □ | | |
| | | 1-16-67 | 101.7 | 165.3 | |
| | | 2-15-67 | 100.7 | 166.3 | |
| | | 3-21-67 | 96.8 | 170.2 | |
| | | 4-19-67 | 75.4 | 191.6 | |
| | | 5-31-67 | 78.9 | 188.1 | |
| | | 6-19-67 | 94.4 | 172.6 | |
| | | 7-18-67 | 96.0 | 171.0 | |
| 27S/23E-01R04 M | | 8-22-67 | 101.5 | 165.5 | |
| | | 9-18-67 | □ | | |
| | | 10-18-66 | 236.5 | 30.5 | 5000 |
| | 267.0 | 11-21-66 | 213.6 | 53.4 | |
| | | 1-00-67 | □ | | |
| | | 1-16-67 | 195.2 | 71.8 | |
| | | 2-15-67 | 195.7 | 71.3 | |
| | | 3-21-67 | 229.7 | 37.3 | |
| | | 4-19-67 | 205.1 | 61.9 | |
| | | 5-31-67 | 228.5 | 38.5 | |
| 27S/23E-06L01 M | | 6-19-67 | 241.0 | 26.0 | |
| | | 7-18-67 | 264.5 | 2.5 | |
| | | 8-22-67 | 251.5 | 15.5 | |
| | | 9-18-67 | 264.5 | 2.5 | |
| | 258.0 | 1-31-67 | 40.0 | 218.0 | 5121 |
| | | 10-03-66 | 30.6 | 224.4 | |
| | 255.0 | 11-01-66 | 33.0 | 222.0 | 5640 |
| | | 12-01-66 | 34.2 | 220.8 | |
| | | 1-03-67 | 31.2 | 223.8 | |
| | | 2-03-67 | 30.6 | 224.4 | |
| 28S/23E-11E01 M | | 3-03-67 | 32.9 | 222.1 | |
| | | 4-03-67 | 33.7 | 221.3 | |
| | | 5-02-67 | 42.7 | 212.3 | |
| | | 6-02-67 | 38.7 | 216.3 | |
| | | 7-00-67 | □ | | |
| | | 8-04-67 | 39.3 | 215.7 | |
| | | 9-05-67 | 36.8 | 218.2 | |
| | | | | | |
| | | | | | |
| | | | | | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-------------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| SEMITROPIC WATER STORAGE DIST | | | | | |
| 5-22.43 | | | | | |
| 28S/24E-28A01 M | 301.1 | 10-03-66 | □ | 114.6 | 5640 |
| | | 11-01-66 | 186.5 | 117.6 | |
| | | 12-01-66 | 183.5 | 118.5 | |
| | | 1-03-67 | 182.6 | 118.3 | |
| | | 2-03-67 | 182.8 | | |
| | | 3-03-67 | □ | | |
| | | 4-04-67 | □ | | |
| | | 5-03-67 | □ | | |
| | | 6-02-67 | □ | | |
| | | 7-00-67 | □ | | |
| | | 8-04-67 | □ | | |
| | | 9-05-67 | □ | | |
| 29S/24E-14R01 M | 290.0 | 1-30-67 | 90.0 | 200.0 | 5121 |
| AVENAL-MCKITTRICK AREA | | | | | |
| 5-22.44 | | | | | |
| 23S/16E-29E02 M | 560.0 | 10-19-66 | 134.2 | 425.8 | 5000 |
| | | 11-30-66 | □ | | |
| | | 11-22-66 | 135.0 | 425.0 | |
| | | 1-00-67 | □ | | |
| | | 1-19-67 | 134.6 | 425.4 | |
| | | 2-16-67 | 134.0 | 425.0 | |
| | | 3-22-67 | 134.9 | 425.1 | |
| | | 4-20-67 | 135.2 | 424.8 | |
| | | 6-01-67 | 135.2 | 424.8 | |
| | | 6-20-67 | 135.1 | 424.9 | |
| | | 7-20-67 | 135.5 | 424.5 | |
| | | 8-23-67 | 135.6 | 424.4 | |
| | | 9-19-67 | 135.4 | 424.6 | |
| 23S/19E-26M01 M | 267.0 | 10-04-66 | 74.0 | 193.0 | 5050 |
| | | 11-01-66 | 72.0 | 195.0 | |
| | | 11-28-66 | □ | | |
| | | 1-07-67 | □ | | |
| | | 2-03-67 | □ | | |
| | | 3-01-67 | □ | | |
| | | 4-00-67 | □ | | |
| | | 5-02-67 | □ | | |
| | | 6-05-67 | □ | | |
| | | 6-28-67 | □ | | |
| | | 8-01-67 | □ | | |
| | | 8-28-67 | □ | | |
| | | 9-25-67 | □ | | |

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| AVENAL-MCKITTRICK AREA | | | | | |
| 5-22.44 | | | | | |
| 25S/19E-15R01 M | 422.0 | 10-04-66 | 105.0 | 317.0 | 5121 |
| | | 2-03-67 | 105.0 | 317.0 | |
| 25S/19E-20Q02 M | 480.0 | 10-19-66 | 134.1 | 345.9 | 5000 |
| | | 11-22-66 | 133.1 | 346.9 | |
| | | 1-00-67 | □ | | |
| | | 1-19-67 | 131.9 | 348.1 | |
| | | 2-16-67 | 132.2 | 347.8 | |
| | | 3-22-67 | □ | | |
| | | 4-20-67 | □ | | |
| | | 6-01-67 | □ | | |
| | | 6-20-67 | 139.9 | 340.1 | |
| | | 7-19-67 | □ | | |
| | | 8-23-67 | □ | | |
| | | 9-19-67 | □ | | |
| 25S/20E-04P01 M | 268.0 | 10-03-66 | 62.0 | 206.0 | 5121 |
| | | 2-02-67 | 61.0 | 207.0 | |
| 26S/17E-13L02 M | 910.0 | 10-04-66 | 153.5 | 756.5 | 5121 |
| | | 2-03-67 | 153.5 | 756.5 | |
| 26S/18E-16H01 M | 685.0 | 10-04-66 | □ | | 5121 |
| | | 2-03-67 | DRY | | |
| 26S/18E-19B02 M | 875.0 | 10-04-66 | 169.0 | 715.0 | 5121 |
| | | 2-03-67 | 148.0 | 727.0 | |
| 26S/18E-27F01 M | 730.0 | 10-04-66 | 204.2 | 525.8 | 5121 |
| | | 2-03-67 | 215.2 | 514.8 | |
| 26S/19E-12L01 M | 530.0 | 10-04-66 | □ | | 5121 |
| | | 2-03-67 | 203.0 | 327.0 | |
| 27S/18E-15R01 M | 1220.0 | 10-04-66 | 37.0 | 1183.0 | 5121 |
| | | 2-03-67 | 36.0 | 1184.0 | |
| 28S/22E-20M01 M | 290.0 | 10-04-66 | 53.2 | 236.8 | 5050 |
| | | 11-01-66 | 52.2 | 237.8 | |
| | | 11-30-66 | 55.5 | 234.5 | |
| | | 1-10-67 | 56.3 | 233.7 | |
| | | 1-30-67 | 53.5 | 236.5 | |
| | | 3-01-67 | 54.9 | 235.1 | |
| | | 4-00-67 | □ | | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-----------------------------|----------------------------------|-----------------|---|---------------------------------|-----------------------|
| AVENAL-MCKITTTRICK AREA | | | | | |
| 28S/22E-20W01 M | 290.0 | 5-02-67 | 54.3 | 235.7 | 5050 |
| CONT. | | 6-05-67 | 53.4 | 236.6 | |
| | | 6-28-67 | 56.5 | 233.5 | |
| | | 8-01-67 | 54.7 | 235.3 | |
| | | 8-28-67 | 57.7 | 232.3 | |
| | | 9-25-67 | 54.0 | 236.0 | |
| TULARE LAKE-LOST HILLS AREA | | | | | |
| 21S/20E-12W01 M | 181.0 | 10-19-66 | 223.9 | - 42.9 | 5000 |
| | | 11-23-66 | 217.5 | - 36.5 | |
| | | 1-00-67 | 216.0 | - 37.5 | |
| | | 1-19-67 | 203.3 | - 22.3 | |
| | | 2-16-67 | # | | |
| | | 3-00-67 | 243.1 | - 65.1 | 5000 |
| 21S/20E-27A01 M | 178.0 | 10-19-66 | 241.2 | - 63.2 | |
| | | 11-23-66 | 229.7 | - 51.7 | |
| | | 1-00-67 | 243.2 | - 65.2 | |
| | | 1-19-67 | # | | |
| | | 2-16-67 | | | |
| | | 3-00-67 | | | |
| 22S/21E-01J01 M | 185.5 | 10-10-66 | 204.5 | - 19.0 | 5050 |
| | | 11-01-66 | 211.5 | - 26.0 | |
| | | 11-28-66 | 211.5 | - 26.0 | |
| | | 1-06-67 | 197.5 | - 12.0 | |
| | | 2-06-67 | 183.5 | 2.0 | |
| | | 2-28-67 | 172.5 | 13.0 | |
| | | 4-11-67 | 162.5 | 23.0 | |
| | | 4-28-67 | 156.5 | 29.0 | |
| | | 6-02-67 | 141.0 | 44.5 | |
| | | 7-05-67 | 137.5 | 48.0 | |
| | | 9-05-67 | 134.5 | 51.0 | |
| 23S/19E-14R01 M | 235.0 | 10-04-66 | 40.8 | 194.2 | 5050 |
| | | 11-01-66 | 41.0 | 194.0 | |
| | | 11-30-66 | 40.5 | 194.5 | |
| | | 1-09-67 | 40.1 | 194.9 | |
| | | 2-03-67 | 40.0 | 195.0 | |
| | | 3-01-67 | 43.0 | 192.0 | |
| | | 4-00-67 | # | | |
| | | 4-28-67 | 40.9 | 194.1 | |
| | | | | | |
| TULARE LAKE-LOST HILLS AREA | | | | | |
| 23S/19E-14R01 M | 235.0 | 6-05-67 | 40.1 | 194.9 | 5050 |
| CONT. | | 6-28-67 | 40.0 | 195.0 | |
| | | 8-01-67 | 40.1 | 194.9 | |
| | | 8-28-67 | 43.8 | 191.2 | |
| | | 9-25-67 | 40.5 | 194.5 | |
| | | 24S/21E-15J01 M | 211.0 | 10-10-66 | 26.4 |
| | | 11-04-66 | 29.5 | 181.5 | |
| | | 11-28-66 | 24.4 | 186.6 | |
| | | 1-06-67 | 29.0 | 182.0 | |
| | | 2-06-67 | 29.3 | 181.7 | |
| | | 2-28-67 | 24.0 | 187.0 | |
| | | 4-11-67 | 21.7 | 189.3 | |
| | | 4-28-67 | 21.5 | 189.5 | |
| | | 6-02-67 | 25.3 | 185.7 | |
| | | 7-05-67 | 26.5 | 184.5 | |
| | | 7-31-67 | 21.5 | 189.5 | |
| 24S/21E-26R01 M | 210.0 | 10-10-66 | 23.0 | 187.0 | 5000 |
| | | 11-04-66 | 22.1 | 187.9 | |
| | | 11-28-66 | 24.1 | 185.9 | |
| | | 2-06-67 | 31.3 | 178.7 | |
| | | 2-28-67 | 23.0 | 187.0 | |
| | | 4-11-67 | 23.5 | 186.5 | |
| | | 4-28-67 | 26.0 | 184.0 | |
| | | 6-02-67 | 22.0 | 188.0 | |
| | | 7-05-67 | 20.4 | 189.6 | |
| | | 7-31-67 | # | | |
| | | 9-05-67 | | | |
| 25S/21E-30K01 M | 237.5 | 10-04-66 | 37.0 | 200.5 | 5050 |
| | | 11-01-66 | 37.0 | 200.5 | |
| | | 11-28-66 | 37.0 | 200.5 | |
| | | 1-09-67 | 37.0 | 200.5 | |
| | | 2-03-67 | 36.7 | 200.8 | |
| | | 3-01-67 | 36.8 | 200.7 | |
| | | 4-00-67 | 36.8 | 200.7 | |
| | | 5-02-67 | 36.9 | 200.6 | |
| | | 6-05-67 | 37.0 | 200.5 | |
| | | 6-28-67 | 37.0 | 200.5 | |
| | | 8-01-67 | 37.0 | 200.5 | |
| | | 8-28-67 | 37.2 | 200.3 | |
| | | 9-25-67 | 37.0 | 200.5 | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-------------------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| TULARE LAKE-LOST HILLS AREA | | | | | |
| | 5-22.45 | | | | |
| 26S/21E-22D01 M | 281.0 | 10-04-66 | 76.1 | 204.9 | 5050 |
| | | 11-01-66 | 75.5 | 205.5 | |
| | | 11-28-66 | 75.8 | 205.2 | |
| | | 1-09-67 | 76.0 | 205.0 | |
| | | 2-03-67 | □ | | |
| | | 3-01-67 | 75.5 | 205.5 | |
| | | 4-00-67 | □ | | |
| | | 5-02-67 | 75.5 | 205.5 | |
| | | 6-05-67 | 75.5 | 205.5 | |
| | | 6-28-67 | 74.8 | 206.2 | |
| | | 8-01-67 | 73.7 | 207.3 | |
| | | 8-28-67 | 78.3 | 202.7 | |
| | | 9-25-67 | 74.8 | 206.2 | |
| CORCORAN IRRIGATION DISTRICT | | | | | |
| | 5-22.46 | | | | |
| 21S/22E-16L02 M | 196.5 | 10-10-66 | 51.0 | 145.5 | 5050 |
| | | 11-04-66 | 50.5 | 146.0 | |
| | | 11-28-66 | 48.0 | 148.5 | |
| | | 1-06-67 | 46.4 | 150.1 | |
| | | 2-06-67 | 45.0 | 151.5 | |
| | | 2-27-67 | 45.5 | 151.0 | |
| | | 4-11-67 | 47.5 | 149.0 | |
| | | 4-28-67 | 45.4 | 151.1 | |
| | | 6-02-67 | 41.1 | 155.4 | |
| | | 7-05-67 | 50.5 | 146.0 | |
| | | 7-31-67 | 39.2 | 157.3 | |
| | | 9-05-67 | 43.5 | 153.0 | |
| 21S/22E-21P01 M | 192.0 | 1-06-67 | 204.0 | - 12.0 | 5050 |
| | | 2-06-67 | 176.0 | 16.0 | |
| | | 2-28-67 | 181.1 | 10.9 | |
| | | 4-11-67 | 171.0 | 21.0 | |
| | | 4-28-67 | 166.5 | 25.5 | |
| | | 6-02-67 | 153.1 | 38.9 | |
| | | 7-05-67 | 154.0 | 38.0 | |
| | | 7-31-67 | 132.7 | 59.3 | |
| | | 9-05-67 | 131.0 | 61.0 | |
| 21S/22E-27A01 M | 196.0 | 10-10-66 | 27.5 | 168.5 | 5050 |
| | | 11-04-66 | 28.0 | 168.0 | |
| | | 11-28-66 | 27.5 | 168.5 | |
| | | 1-06-67 | 24.6 | 171.4 | |
| | | 2-06-67 | 24.0 | 172.0 | |
| | | 2-27-67 | 26.4 | 169.6 | |
| CORCORAN IRRIGATION DISTRICT | | | | | |
| | 5-22.46 | | | | |
| 21S/22E-27A01 M | 196.0 | 4-11-67 | 23.6 | 172.4 | 5050 |
| | | 4-28-67 | 22.5 | 173.5 | |
| | | 6-02-67 | 25.0 | 171.0 | |
| | | 7-05-67 | 24.5 | 171.5 | |
| | | 7-31-67 | 23.5 | 172.5 | |
| | | 9-05-67 | 21.6 | 174.4 | |
| 21S/22E-36A01 M | 205.0 | 10-10-66 | 194.0 | 11.0 | 5050 |
| | | 11-04-66 | 201.0 | 4.0 | |
| 22S/22E-01B02 M | 201.0 | 10-10-66 | 21.0 | 180.0 | 5050 |
| | | 11-04-66 | □ | | |
| | | 11-28-66 | 17.5 | 183.5 | |
| | | 1-06-67 | 16.4 | 184.6 | |
| | | 2-06-67 | 18.0 | 183.0 | |
| | | 2-28-67 | 17.6 | 183.4 | |
| | | 4-11-67 | 17.2 | 183.8 | |
| | | 4-28-67 | 16.9 | 184.1 | |
| | | 6-02-67 | 16.8 | 184.2 | |
| | | 7-05-67 | 18.5 | 182.5 | |
| | | 7-31-67 | 16.2 | 184.8 | |
| | | 9-05-67 | 14.5 | 186.5 | |
| 22S/22E-05L01 M | 188.0 | 10-10-66 | 198.0 | - 10.0 | 5050 |
| | | 11-04-66 | 205.0 | - 17.0 | |
| | | 11-28-66 | □ | | |
| | | 1-06-67 | 188.0 | 0.0 | |
| | | 2-06-67 | 179.0 | 9.0 | |
| | | 2-28-67 | □ | | |
| | | 4-11-67 | 155.0 | 33.0 | |
| | | 4-28-67 | 151.0 | 37.0 | |
| | | 6-02-67 | 143.0 | 45.0 | |
| | | 7-05-67 | 136.0 | 52.0 | |
| | | 7-31-67 | 131.0 | 57.0 | |
| | | 9-05-67 | 125.0 | 63.0 | |
| 22S/22E-13P01 M | 193.0 | 10-10-66 | 22.0 | 171.0 | 5050 |
| | | 11-04-66 | 19.4 | 173.6 | |
| | | 11-28-66 | 19.5 | 173.5 | |
| | | 1-06-67 | 18.6 | 174.4 | |
| | | 2-06-67 | 16.2 | 176.8 | |
| | | 2-28-67 | 17.6 | 175.4 | |
| | | 4-11-67 | 15.8 | 177.2 | |
| | | 4-28-67 | 15.2 | 177.8 | |
| | | 6-02-67 | 15.0 | 178.0 | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-------------------------------------|----------------------------------|---|--|---|-----------------------|
| CORCORAN IRRIGATION DISTRICT | | | | | |
| 5-22.46 | | | | | |
| 22S/22E-13P01 M CONT. | 193.0 | 7-05-67 7-31-67 9-05-67 | 15.5 16.6 14.5 | 177.5 176.4 178.5 | 5050 |
| 22S/22E-15C01 M | 191.0 | 10-10-66 11-04-66 11-28-66 1-06-67 2-06-67 2-28-67 4-11-67 4-28-67 6-02-67 7-05-67 7-31-67 9-05-67 | 183.5 187.5 182.5 176.5 168.5 159.6 150.3 145.5 136.5 120.0 127.5 128.5 | 7.5 3.5 8.5 14.5 22.5 31.4 40.7 45.5 54.5 70.5 63.5 62.5 | 5050 |
| MENDOTA-HURON AREA | | | | | |
| 5-22.47 | | | | | |
| 13S/12E-05Q01 M | 247.0 | 11-08-66 3-00-67 | 270.0 @ | - 23.0 | 5001 |
| 13S/12E-22N01 M | 280.0 | 11-09-66 3-09-67 | 163.6 168.0 | 116.4 112.0 | 5001 |
| 13S/13E-12A01 M | 183.0 | 11-00-66 3-10-67 | □ □ | | 5001 |
| 13S/13E-15R01 M | 222.0 | 11-03-66 3-00-67 | □ # | | 5001 |
| 13S/14E-09J01 M | 164.0 | 11-09-66 3-09-67 | □ □ | | 5001 |
| 14S/13E-15M01 M | 321.0 | 12-28-66 | □ | | 5050 |
| 14S/14E-28E02 M | 248.0 | 10-20-66 | 58.1 | 189.9 | 5000 |
| 14S/15E-18E02 M | 178.0 | 12-29-66 | 233.0 | - 55.0 | 5050 |
| 14S/15E-35N01 M | 161.0 | 2-00-67 | □ | | 5001 |
| 15S/14E-15E01 M | 234.0 | 10-20-66 11-23-66 | 52.7 52.8 | 181.3 181.2 | 5000 |
| MENDOTA-HURON AREA | | | | | |
| 5-22.47 | | | | | |
| 15S/14E-15E01 M CONT. | 234.0 | 1-00-67 1-20-67 2-17-67 3-23-67 4-21-67 6-02-67 6-21-67 7-21-67 8-24-67 9-20-67 | □ 53.2 52.0 52.8 □ 52.5 52.7 53.0 55.0 55.0 | 180.8 182.0 181.2 181.5 181.3 181.0 179.0 179.0 | 5000 |
| 15S/14E-15E04 M | 236.0 | 10-20-66 11-23-66 1-00-67 1-20-67 2-17-67 3-23-67 4-21-67 6-02-67 6-21-67 7-21-67 8-24-67 9-20-67 | 431.7 434.9 □ 403.1 410.8 405.0 □ 423.0 436.0 435.0 □ □ | -195.7 -200.9 -167.1 -174.8 -169.0 -187.0 -200.0 -199.0 | 5000 |
| 15S/15E-22Q01 M | 176.0 | 2-00-67 | □ | | 5001 |
| 15S/16E-17I01 M | 165.0 | 10-20-66 11-23-66 1-00-67 1-20-67 2-17-67 3-23-67 4-21-67 6-02-67 6-21-67 7-21-67 8-24-67 8-20-67 | 38.3 37.6 □ 37.9 38.2 39.3 39.0 39.7 39.7 40.5 41.1 41.8 | 126.7 127.4 127.1 126.8 125.7 126.0 125.3 125.3 124.5 123.9 123.2 | 5000 |
| 15S/16E-20R01 M | 170.0 | 10-26-66 | 82.0 | 88.0 | 5001 |
| 15S/16E-28A04 M | 169.0 | 10-20-66 11-23-66 1-00-67 | 185.4 185.0 □ | - 16.4 - 16.0 | 5000 |

TABLE C-3(Cont.)

GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|--------------------------|----------------------------------|--|---|---|-----------------------|
| MENDOTA-HURON AREA | | | | | |
| 15S/16E-28A04 M CONT. | 169.0 | 1-20-67 2-17-67 3-23-67 4-21-67 6-02-67 6-21-67 7-21-67 8-24-67 9-20-67 | 179.0 175.3 179.4 180.7 181.1 180.0 184.5 193.5 | - 10.0 - 6.3 - 10.4 - 11.7 - 12.1 - 11.0 - 15.5 - 24.5 | 5000 |
| 15S/16E-34E01 M | 172.0 | 10-26-66 11-22-66 12-20-66 1-17-67 | 131.8 123.6 118.7 # | 40.2 48.4 53.3 | 5000 |
| 16S/14E-16N01 M | 498.0 | 10-26-66 11-21-66 12-20-66 1-17-67 | 704.7 689.4 669.3 # | -206.7 -191.4 -171.3 | 5000 |
| 16S/15E-02N02 M | 219.0 | 2-00-67 | □ | | 5001 |
| 16S/16E-10N01 M | 187.0 | 2-00-67 | □ | | 5001 |
| 17S/14E-13R01 M | 457.0 | 12-30-66 | □ | | 5050 |
| 17S/16E-02E01 M | 218.0 | 2-00-67 | □ | | 5001 |
| 17S/16E-24R01 M | 232.5 | 10-20-66 | 187.4 | 45.1 | 5050 |
| 17S/16E-30A03 M | 290.0 | 10-20-66 11-23-66 1-00-67 1-20-67 2-17-67 3-23-67 4-21-67 6-02-67 6-21-67 7-21-67 8-24-67 9-20-67 | 66.3 66.0 □ 62.9 66.6 64.5 64.1 66.6 66.8 71.0 73.0 59.5 | 223.7 224.0 227.1 223.4 225.5 225.9 223.4 223.2 219.0 217.0 230.5 | 5000 |
| 17S/17E-21N02 M | 226.0 | 10-26-66 | 289.5 | - 63.5 | 5050 |

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|--------------------|----------------------------------|--|---|--|-----------------------|
| MENDOTA-HURON AREA | | | | | |
| 18S/17E-12N01 M | 253.0 | 12-29-66 | 348.0 | - 95.0 | 5050 |
| 18S/17E-29N01 M | 305.0 | 12-28-66 | # | | 5050 |
| 19S/18E-15W01 M | 274.0 | 12-28-66 | 367.0 | - 93.0 | 5050 |
| 19S/18E-27W01 M | 281.0 | 12-30-66 | 376.0 | - 95.0 | 5000 |
| 20S/18E-11N01 M | 277.0 | 12-30-66 | 514.0 | -237.0 | 5050 |
| 20S/18E-11Q01 M | 270.0 | 10-26-66 11-22-66 12-21-66 1-18-67 2-15-67 3-14-67 4-13-67 5-10-67 6-20-67 7-07-67 8-24-67 8-30-67 9-27-67 | 473.3 474.7 461.6 461.5 475.2 474.2 467.9 442.6 □ 464.2 485.9 487.1 487.7 | -203.3 -204.7 -191.6 -191.5 -205.2 -204.2 -197.9 -172.6 -194.2 -215.9 -217.1 -217.7 | 5000 |
| 20S/18E-36D01 M | 260.0 | 10-19-66 | 302.2 | - 42.2 | 5050 |
| 21S/15E-01E01 M | 623.0 | 2-00-67 | □ | | 5050 |
| 21S/16E-02N01 M | 570.0 | 2-00-67 | □ | | 5050 |
| 21S/16E-07N01 M | 634.0 | 2-00-67 | □ | | 5050 |
| 21S/16E-35D01 M | 682.0 | 2-00-67 | □ | | 5050 |
| 21S/17E-06N01 M | 526.0 | 2-00-67 | □ | | 5050 |
| 21S/17E-11E01 M | 413.0 | 12-29-66 | # | | 5050 |
| 21S/17E-24G01 M | 425.0 | 12-29-66 | □ | | 5050 |
| 21S/18E-28W02 M | 363.0 | 10-19-66 | 385.2 | - 22.2 | 5000 |
| 22S/16E-12F01 M | 787.0 | 2-00-67 | # | | 5050 |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---------------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| POSO SOIL CONSERVATION DISTRICT | | | | | |
| | | | 5-22-48 | | |
| 10S/13E-06R01 M | 110.0 | 10-04-66 | 9.8 | 100.2 | 5529 |
| | | 11-01-66 | 10.3 | 99.7 | |
| | | 12-01-66 | 10.4 | 99.6 | |
| | | 1-03-67 | 10.0 | 100.0 | |
| | | 2-03-67 | 10.0 | 100.0 | |
| | | 3-03-67 | 10.2 | 99.8 | |
| | | 4-04-67 | 10.8 | 99.2 | |
| | | 5-05-67 | 10.2 | 99.8 | |
| | | 6-03-67 | 5.2 | 104.8 | |
| | | 7-07-67 | 8.5 | 101.5 | |
| | | 8-04-67 | 9.3 | 100.7 | |
| | | 9-02-67 | 8.7 | 101.3 | |
| 11S/13E-05Q01 M | 117.0 | 10-04-66 | 12.4 | 104.6 | 5529 |
| | | 11-01-66 | 10.6 | 105.4 | |
| | | 12-01-66 | 10.6 | 106.4 | |
| | | 1-03-67 | 10.9 | 106.1 | |
| | | 2-03-67 | 10.5 | 106.5 | |
| | | 3-03-67 | 11.5 | 105.5 | |
| | | 4-04-67 | 9.0 | 108.0 | |
| | | 5-05-67 | 8.5 | 108.5 | |
| | | 6-03-67 | 8.4 | 108.6 | |
| | | 7-07-67 | 6.7 | 110.3 | |
| | | 8-04-67 | 13.3 | 103.7 | |
| | | 9-02-67 | 13.9 | 103.1 | |
| 11E/13E-26A01 M | 128.0 | 10-04-66 | 10.5 | 117.5 | 5529 |
| | | 11-01-66 | 11.4 | 116.6 | |
| | | 12-01-66 | 11.7 | 116.3 | |
| | | 1-03-67 | 10.9 | 117.1 | |
| | | 2-03-67 | 9.7 | 118.3 | |
| | | 3-03-67 | 12.3 | 115.7 | |
| | | 4-04-67 | 12.1 | 115.9 | |
| | | 5-05-67 | 12.0 | 116.0 | |
| | | 6-03-67 | 7.6 | 120.4 | |
| | | 7-07-67 | 7.6 | 120.4 | |
| | | 8-04-67 | 10.9 | 117.1 | |
| | | 9-02-67 | 15.2 | 112.8 | |
| 11S/13E-33L01 M | 126.0 | 10-04-66 | 9.1 | 116.9 | 5529 |
| | | 11-01-66 | 9.8 | 116.2 | |
| | | 12-01-66 | 10.4 | 115.6 | |
| | | 1-03-67 | 10.2 | 115.8 | |
| | | 2-03-67 | 9.4 | 116.6 | |
| | | 3-03-67 | 0 | | |
| TERRA BELLA IRRIGATION DISTRICT | | | | | |
| | | | 5-22-50 | | |
| 22S/27E-25J03 M | 532.0 | 10-26-66 | 113.4 | 418.6 | 5001 |
| | | 11-22-66 | 113.1 | 418.9 | |
| | | 12-20-66 | 105.8 | 420.2 | |
| | | 1-24-67 | 105.3 | 426.7 | |
| | | 2-28-67 | 98.6 | 433.4 | |
| | | 3-28-67 | 92.7 | 439.3 | |
| | | 4-25-67 | 94.2 | 437.8 | |
| | | 5-23-67 | 91.9 | 440.1 | |
| | | 6-27-67 | 108.9 | 423.1 | |
| | | 7-25-67 | 99.0 | 433.0 | |
| | | 8-22-67 | 99.9 | 432.1 | |
| | | 9-19-67 | 110.8 | 421.2 | |
| 23S/27E-01A01 M | 506.0 | 10-26-66 | 85.4 | 420.6 | 5001 |
| | | 11-22-66 | 85.1 | 420.9 | |
| | | 12-20-66 | 84.6 | 421.4 | |
| | | 1-24-67 | 83.6 | 422.4 | |
| | | 2-28-67 | 78.8 | 427.2 | |
| | | 3-28-67 | 79.7 | 426.3 | |
| | | 4-28-67 | 80.8 | 425.2 | |
| | | 5-23-67 | 81.9 | 424.1 | |
| | | 6-27-67 | 82.5 | 423.5 | |
| | | 7-25-67 | 83.0 | 423.0 | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|--|----------------------------------|---|--|--|-----------------------|
| TERRA BELLA IRRIGATION DISTRICT | | | | | |
| 23S/27E-01A01 M CONT. | 506.0 | 8-22-67 9-19-67 | 83.5 83.7 | 422.5 422.3 | 5001 |
| 23S/27E-10H01 M | 518.0 | 10-26-66 11-22-66 12-20-66 1-24-67 2-28-67 3-28-67 4-26-67 5-23-67 6-27-67 7-25-67 8-22-67 9-19-67 | 242.5 241.0 234.7 232.0 229.2 237.0 226.6 226.7 244.5 237.0 238.5 239.4 | 275.5 277.0 283.3 286.0 288.8 281.0 291.4 291.3 281.0 279.5 278.6 | 5001 |
| MERCED BOTTOMS | | | | | |
| 7S/10E-23K02 M | 80.0 | 10-04-66 11-03-66 12-08-66 1-11-67 2-06-67 3-06-67 4-06-67 5-03-67 6-07-67 7-05-67 8-03-67 9-06-67 | 7.5 □ 8.6 7.3 6.4 6.3 3.2 4.1 10.2 4.4 5.0 | 72.5 71.4 72.7 73.6 73.7 76.8 76.1 75.9 69.8 75.6 75.0 | 5050 |
| 7S/12E-27F01 M | 110.5 | 10-04-66 11-03-66 12-08-66 1-05-67 2-06-67 3-06-67 4-07-67 5-05-67 6-07-67 7-07-67 8-07-67 9-01-67 | 10.4 10.3 9.4 8.6 6.9 7.6 7.4 6.4 8.4 9.4 10.7 11.9 | 100.1 100.2 101.1 101.9 103.6 102.9 103.1 104.1 102.1 101.1 99.8 98.6 | 5050 |
| MERCED BOTTOMS | | | | | |
| 8S/12E-19D01 M | 90.0 | 10-04-66 11-03-66 12-08-66 1-05-67 2-06-67 3-06-67 4-07-67 5-05-67 6-07-67 7-07-67 8-07-67 9-01-67 | 23.8 23.3 18.9 16.1 14.1 13.9 14.8 11.0 11.3 12.1 15.4 19.5 | 66.2 66.7 71.1 73.9 75.9 76.1 75.2 79.0 78.7 77.9 74.6 70.5 | 5050 |
| 8S/15E-15P01 M | 220.0 | 9-07-66 10-04-66 | 107.9 # | 112.1 | 5050 |
| 9S/12E-01C01 M | 110.5 | 10-04-66 11-03-66 12-08-66 1-05-67 2-06-67 3-06-67 4-07-67 5-05-67 6-07-67 7-07-67 8-07-67 9-01-67 | 48.5 44.2 42.5 42.5 35.1 31.9 30.6 24.5 □ □ □ 50.2 | 62.0 66.3 68.0 68.0 75.4 78.6 79.9 86.0 | 5050 |
| 9S/14E-01B01 M | 180.0 | 10-04-66 11-03-66 12-08-66 1-05-67 2-06-67 3-06-67 4-07-67 5-05-67 6-07-67 7-07-67 8-07-67 9-01-67 | 94.1 82.6 69.4 63.9 60.0 58.2 58.7 56.3 67.2 86.3 101.9 103.0 | 85.9 97.4 110.6 116.1 120.0 121.8 121.3 123.7 112.8 93.7 78.1 78.0 | 5050 |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|------------------------------------|----------------------------------|----------|---------------------------------|---------------------------------|-----------------------|
| MERCED BOTTOMS | | | | | |
| 9S/14E-01B03 M | 180.0 | 10-04-66 | 39.6 | 140.4 | 5050 |
| | | 11-03-66 | 40.2 | 139.8 | |
| | | 12-08-66 | 40.4 | 139.6 | |
| | | 1-05-67 | 40.3 | 139.7 | |
| | | 2-06-67 | 40.2 | 139.8 | |
| | | 3-06-67 | 39.9 | 140.1 | |
| | | 4-07-67 | 39.5 | 140.5 | |
| | | 5-05-67 | 38.9 | 141.1 | |
| | | 6-07-67 | 38.5 | 141.5 | |
| | | 7-07-67 | 38.9 | 141.1 | |
| | | 8-07-67 | 42.5 | 137.5 | |
| | | 9-01-67 | 40.0 | 140.0 | |
| 9S/14E-06D01 M | 141.0 | 10-04-66 | 43.1 | 97.9 | 5050 |
| | | 11-03-66 | 41.5 | 99.5 | |
| | | 12-08-66 | 41.6 | 99.4 | |
| | | 1-05-67 | 43.5 | 97.5 | |
| | | 2-06-67 | 41.2 | 99.8 | |
| | | 3-06-67 | 40.7 | 100.3 | |
| | | 4-07-67 | 40.6 | 100.4 | |
| | | 5-05-67 | 42.6 | 98.4 | |
| | | 6-07-67 | 40.5 | 100.5 | |
| | | 7-07-67 | 42.3 | 98.7 | |
| | | 8-07-67 | 44.0 | 97.0 | |
| | | 9-01-67 | 43.5 | 97.5 | |
| GARFIELD WATER DISTRICT | | | | | |
| 12S/20E-13A01 M | 388.0 | 10-02-66 | 120.6 | 267.4 | 5001 |
| | | 11-01-66 | 119.8 | 268.2 | |
| | | 12-03-66 | 119.2 | 268.8 | |
| | | 1-03-67 | 116.1 | 271.9 | |
| | | 2-01-67 | 115.6 | 272.4 | |
| | | 3-02-67 | 115.3 | 272.7 | |
| | | 4-01-67 | 114.9 | 273.1 | |
| | | 5-01-67 | 114.2 | 273.8 | |
| | | 6-01-67 | 115.2 | 272.8 | |
| | | 7-02-67 | 117.4 | 270.6 | |
| | | 8-02-67 | 118.9 | 269.1 | |
| | | 9-03-67 | 116.9 | 271.1 | |
| 12S/21E-07A02 M | 405.5 | 10-02-66 | 158.8 | 246.7 | 5001 |
| | | 11-01-66 | 160.4 | 245.1 | |
| | | 12-03-66 | 157.1 | 248.4 | |
| | | 1-04-67 | 155.6 | 249.9 | |
| GARFIELD WATER DISTRICT | | | | | |
| 12S/21E-07A02 M | 405.5 | 2-01-67 | 153.4 | 252.1 | 5001 |
| | | 3-02-67 | 151.8 | 253.7 | |
| | | 4-01-67 | 150.1 | 255.4 | |
| | | 5-01-67 | 149.5 | 256.0 | |
| | | 6-01-67 | 147.3 | 258.2 | |
| | | 7-02-67 | 147.0 | 258.5 | |
| | | 8-02-67 | 146.2 | 259.3 | |
| | | 9-03-67 | 146.0 | 259.5 | |
| 12S/21E-18A03 M | 390.5 | 10-02-66 | 113.6 | 277.9 | 5001 |
| | | 11-02-66 | 111.8 | 278.7 | |
| | | 12-03-66 | 108.5 | 282.0 | |
| | | 1-03-67 | 110.7 | 279.8 | |
| | | 2-01-67 | 109.0 | 281.5 | |
| | | 3-02-67 | 107.5 | 283.0 | |
| | | 4-01-67 | 107.1 | 283.4 | |
| | | 5-01-67 | 106.7 | 283.8 | |
| | | 6-01-67 | □ | □ | |
| | | 7-02-67 | 106.5 | 284.0 | |
| | | 8-02-67 | 107.1 | 283.4 | |
| | | 9-03-67 | □ | □ | |
| KINGS COUNTY WATER DISTRICT | | | | | |
| 17S/20E-36R02 M | 243.0 | 10-29-66 | 18.1 | 224.9 | 5129 |
| | | 11-27-66 | 17.4 | 225.6 | |
| | | 12-26-66 | 17.2 | 225.8 | |
| | | 2-03-67 | 17.8 | 225.2 | |
| | | 2-28-67 | 17.4 | 225.6 | |
| | | 4-02-67 | 17.5 | 225.5 | |
| | | 4-30-67 | 16.6 | 226.4 | |
| | | 6-03-67 | 15.0 | 228.0 | |
| | | 7-01-67 | 15.2 | 227.8 | |
| | | 7-30-67 | 15.7 | 227.3 | |
| | | 9-02-67 | □ | □ | |
| 17S/22E-11P01 M | 283.0 | 10-02-66 | 30.3 | 252.7 | 5129 |
| | | 10-29-66 | 30.0 | 253.0 | |
| | | 11-27-66 | 27.1 | 255.9 | |
| | | 12-26-66 | 26.6 | 256.4 | |
| | | 2-03-67 | 25.9 | 257.1 | |
| | | 2-28-67 | 26.0 | 257.0 | |
| | | 4-02-67 | 26.2 | 256.8 | |
| | | 4-30-67 | 22.9 | 260.1 | |
| | | 6-10-67 | 26.2 | 256.8 | |
| | | 7-01-67 | 26.3 | 256.2 | |

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-----------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| KINGS COUNTY WATER DISTRICT | | | | | |
| 5-22.66 | | | | | |
| 17S/22E-11P01 M | 283.0 | 7-29-67 | 26.8 | 256.2 | 5129 |
| CONT. | | 9-02-67 | 24.3 | 258.7 | |
| 17S/22E-35N01 M | 266.0 | 10-02-66 | 48.8 | 217.2 | 5129 |
| | | 10-29-66 | 49.3 | 216.7 | |
| | | 11-27-66 | 46.3 | 219.7 | |
| | | 12-26-66 | 45.4 | 220.6 | |
| | | 2-03-67 | 43.3 | 222.7 | |
| | | 2-28-67 | 42.3 | 223.7 | |
| | | 4-02-67 | 41.5 | 224.5 | |
| | | 4-30-67 | 41.5 | 224.5 | |
| | | 6-10-67 | 43.9 | 222.1 | |
| | | 7-01-67 | 44.2 | 221.8 | |
| | | 7-29-67 | 44.0 | 222.0 | |
| | | 9-02-67 | 45.3 | 220.7 | |
| 18S/21E-17N01 M | 238.0 | 10-02-66 | 13.7 | 224.3 | 5129 |
| | | 10-29-66 | 13.3 | 224.7 | |
| | | 11-27-66 | 13.3 | 224.7 | |
| | | 12-26-66 | 13.2 | 224.8 | |
| | | 2-03-67 | 12.9 | 225.1 | |
| | | 3-03-67 | 12.8 | 225.2 | |
| | | 4-02-67 | 12.8 | 225.2 | |
| | | 4-30-67 | 12.2 | 225.8 | |
| | | 6-03-67 | 12.5 | 225.5 | |
| | | 7-02-67 | 13.1 | 224.9 | |
| | | 7-30-67 | 12.1 | 225.9 | |
| | | 9-02-67 | 10.4 | 227.6 | |
| 18S/22E-21H01 M | 258.0 | 10-02-66 | 85.2 | 172.8 | 5129 |
| | | 10-29-66 | 86.3 | 171.7 | |
| | | 11-27-66 | 83.2 | 174.8 | |
| | | 12-26-66 | 82.6 | 175.4 | |
| | | 2-03-67 | 80.1 | 177.9 | |
| | | 2-28-67 | 79.7 | 178.3 | |
| | | 4-02-67 | 78.4 | 179.6 | |
| | | 4-30-67 | 78.8 | 179.2 | |
| | | 6-04-67 | 80.7 | 177.3 | |
| | | 7-01-67 | 83.0 | 175.0 | |
| | | 7-29-67 | 83.2 | 174.8 | |
| | | 9-03-67 | 86.2 | 171.8 | |
| 18S/23E-28B01 M | 263.0 | 10-02-66 | 99.0 | 164.0 | 5129 |
| | | 10-29-66 | 98.7 | 164.3 | |
| | | 11-27-66 | 96.5 | 166.5 | |

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|-----------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|
| KINGS COUNTY WATER DISTRICT | | | | | |
| 5-22.66 | | | | | |
| 18S/23E-28B01 M | 263.0 | 12-26-66 | 95.1 | 167.9 | 5129 |
| | | 2-03-67 | 92.3 | 170.7 | |
| | | 2-28-67 | 92.0 | 171.0 | |
| | | 4-02-67 | 91.2 | 171.8 | |
| | | 4-30-67 | 90.2 | 172.8 | |
| | | 6-10-67 | 94.1 | 168.9 | |
| | | 7-01-67 | □ | | |
| | | 7-29-67 | 108.6 | 154.4 | |
| | | 9-02-67 | □ | | |
| 19S/21E-20N01 M | 225.0 | 10-02-66 | 18.3 | 206.7 | 5129 |
| | | 10-29-66 | 19.1 | 205.9 | |
| | | 11-27-66 | 19.6 | 205.4 | |
| | | 12-26-66 | 16.2 | 208.8 | |
| | | 2-03-67 | 15.6 | 209.4 | |
| | | 2-28-67 | 16.0 | 209.0 | |
| | | 4-02-67 | 15.9 | 209.1 | |
| | | 4-30-67 | 14.8 | 210.2 | |
| | | 6-04-67 | 14.3 | 210.7 | |
| | | 7-01-67 | 15.1 | 209.9 | |
| | | 7-30-67 | 14.5 | 210.5 | |
| | | 9-02-67 | 12.5 | 212.5 | |
| | | 9-29-67 | 14.4 | 210.6 | |
| 19S/22E-04B01 M | 245.0 | 10-02-66 | □ | | 5129 |
| | | 10-29-66 | 101.2 | 143.8 | |
| | | 11-27-66 | 99.7 | 145.3 | |
| | | 12-26-66 | 96.4 | 148.6 | |
| | | 2-03-67 | 95.1 | 149.9 | |
| | | 2-28-67 | 93.8 | 151.2 | |
| | | 4-02-67 | 92.1 | 152.9 | |
| | | 4-30-67 | 90.8 | 154.2 | |
| | | 6-10-67 | 93.2 | 151.8 | |
| | | 7-01-67 | 97.2 | 147.8 | |
| | | 7-29-67 | □ | | |
| | | 9-02-67 | 97.1 | 147.9 | |
| | | 9-28-67 | 90.9 | 154.1 | |
| 19S/22E-23A01 M | 240.0 | 10-02-66 | 102.4 | 137.6 | 5129 |
| | | 10-29-66 | 102.8 | 137.2 | |
| | | 11-27-66 | 100.3 | 139.7 | |
| | | 12-26-66 | 99.5 | 140.5 | |
| | | 2-03-67 | 98.5 | 141.5 | |
| | | 2-28-67 | 98.2 | 141.8 | |
| | | 4-02-67 | 99.9 | 140.1 | |

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA | STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|------------------------------------|----------------------------------|----------|---|---------------------------------|-----------------------|-------------------|----------------------------------|------|---|---------------------------------|-----------------------|
| KINGS COUNTY WATER DISTRICT | | | | | | | | | | | |
| 5-22.66 | | | | | | | | | | | |
| 19S/22E-23A01 M CONT. | 240.0 | 4-30-67 | 96.1 | 143.9 | 5129 | | | | | | |
| | | 6-04-67 | 96.9 | 143.1 | | | | | | | |
| | | 7-01-67 | 96.6 | 143.4 | | | | | | | |
| | | 7-29-67 | 97.2 | 142.8 | | | | | | | |
| | | 9-03-67 | 95.1 | 144.9 | | | | | | | |
| | | 9-28-67 | 91.0 | 149.0 | | | | | | | |
| 20S/21E-03A01 M | 222.0 | 10-06-66 | 19.3 | 202.7 | 5001 | | | | | | |
| | | 2-15-67 | 19.3 | 202.7 | | | | | | | |
| 20S/21E-05E01 M | 219.0 | 10-02-66 | □ | - | 5129 | | | | | | |
| | | 10-29-66 | 228.9 | 9.9 | | | | | | | |
| | | 11-27-66 | 198.6 | 20.4 | | | | | | | |
| | | 12-26-66 | 195.3 | 23.7 | | | | | | | |
| | | 2-03-67 | 182.1 | 36.9 | | | | | | | |
| | | 2-28-67 | 174.5 | 44.5 | | | | | | | |
| | | 4-02-67 | 170.6 | 48.4 | | | | | | | |
| | | 4-30-67 | 164.7 | 54.3 | | | | | | | |
| | | 6-04-67 | 161.0 | 58.0 | | | | | | | |
| | | 7-01-67 | 157.5 | 61.5 | | | | | | | |
| | | 7-30-67 | 156.3 | 62.7 | | | | | | | |
| | | 9-02-67 | 153.2 | 65.8 | | | | | | | |
| | | 9-28-67 | 149.5 | 69.5 | | | | | | | |
| 20S/22E-10H02 M | 225.0 | 10-02-66 | 211.1 | 13.9 | 5129 | | | | | | |
| | | 10-29-66 | 210.6 | 14.4 | | | | | | | |
| | | 11-27-66 | □ | | | | | | | | |
| | | 12-26-66 | 148.0 | 77.0 | | | | | | | |
| | | 2-03-67 | 137.6 | 87.4 | | | | | | | |
| | | 2-28-67 | 134.1 | 90.9 | | | | | | | |
| | | 4-02-67 | 132.4 | 92.6 | | | | | | | |
| | | 4-30-67 | 125.7 | 99.3 | | | | | | | |
| | | 6-04-67 | 124.5 | 100.5 | | | | | | | |
| | | 7-01-67 | 123.9 | 101.1 | | | | | | | |
| | | 7-30-67 | 127.5 | 97.5 | | | | | | | |
| | | 9-02-67 | 126.7 | 98.3 | | | | | | | |
| | | 9-26-67 | 120.3 | 104.7 | | | | | | | |
| PLEASANT VALLEY | | | | | | | | | | | |
| 5-22.69 | | | | | | | | | | | |
| 20S/15E-25D01 M | 619.0 | 2-09-67 | 211.0 | 408.0 | 5050 | | | | | | |
| 20S/15E-32A01 M | 675.0 | 2-10-67 | 233.5 | 441.5 | 5050 | | | | | | |

TABLE C-4
GROUND WATER RECHARGE
Amounts Applied in Acre-Feet

| GROUND WATER DISTRICTS OR AREAS | | SOURCE OF SUPPLY | 1964-65 | | | 1965-66 | | | 1966-67 | | |
|--|---------|--|------------------|----------------------------------|---------|------------------|-------------------------------|---------|-----------------------|--|---------|
| NAME | NUMBER | | METHOD | AMOUNT | TOTAL | METHOD | AMOUNT | TOTAL | METHOD | AMOUNT | TOTAL |
| Alpaugh I. D. Western portion of Alpaugh-Allensworth Area. | 5-22.34 | CVP | | | | | | | c | | 2,000 |
| Arvin-Edison W. S. D. Eastern portion of the Edison-Maricopa Area. | 5-22.41 | CVP | | | | a | | 24,752 | | | |
| Buena Vista W. S. O. | 5-22.42 | CVP | n & c | | 4,687 | | | | n c | 40,000 70,000 | 110,000 |
| Chowchilla W. O. | 5-22.12 | CVP & Chowchilla River | n c a | 110,000 10,000 10,000 | 130,000 | n & c | | 69,914 | | | |
| Consolidated I. D. | 5-22.18 | CVP & Kings River | c a | 75,000 28,600 | 103,600 | | | | o p | 135,000 170,500 | 305,500 |
| Corcoran I. D. | 5-22.46 | CVP & Kings River | | | | n c o | | 83,107 | c & a p | 61,269 63,887 | 125,156 |
| Delano-Earlimart I. O. | 5-22.35 | CVP | n a i | 4,283 130 1,563 | 5,976 | n a i | 2,020 756 888 | 3,664 | n a i | 2,537 947 764 | 4,248 |
| El Nido I. O. | 5-22.10 | Mariposa & Deadman Creeks | o | | 6,744 | a c o | | 2,374 | c o p | 2,000 10,411 9,673 | 22,084 |
| Exeter I. D. | 5-22.26 | CVP & Kaweah River Foothill Ditch Co. | n a | 1,317 75 | 1,392 | n | | 904 | n a p | 1,124 61 52 | 1,237 |
| Fresno I. O. | 5-22.15 | CVP & Kings River | o | | 166,000 | n c a o | 142 116,500 2,079 38 | 118,759 | n c a o p | 2,873 90,853 3,339 550 181,706 | 279,321 |
| Ivanhoe I. D. | 5-22.23 | CVP & Wutchumna Ditch | a & i | | 2,745 | n a p | | 1,344 | n a i | 3,001 1,423 951 | 5,375 |
| Laguna I. D. Northern portion of the Lower Kings River Area. | 5-22.20 | CVP | o | | 8,000 | | | | | | |
| Lakeside I. D. Western portion of the Kaweah Delta W. C. D. | 5-22.24 | CVP | n c a o | 2,084 3,475 1,738 4,286 | 11,583 | n c a | 3,000 2,625 1,875 | 7,500 | n c a o | 7,703 42,860 11,550 1,100 | 63,213 |
| Lindmore I. D. | 5-22.28 | CVP | | | | | | | a | | 332 |
| Lower Tule I. O. | 5-22.30 | CVP & Tule River | n & c a o | 162,582 11,836 21,621 | 196,039 | n & c a o | 88,604 6,560 7,508 | 102,672 | n c a p | 122,148 41,492 18,830 25,664 | 208,134 |
| Madera I. D. | 5-22.13 | CVP & Fresno River | n c a o | 360 19,200 464 2,512 | 22,536 | n c o | | 35,392 | n c a o p | 49,562 63,919 2,835 7,809 15,342 | 139,467 |
| North Kern W. S. D. | 5-22.37 | Kern River & Poso Creek | c a o | 5,355 29,761 7,286 | 42,402 | n a | 3,872 19,493 | 23,365 | | | |
| Pixley I. O. | 5-22.33 | CVP & Oeer Creek | n a o | | 14,700 | | | | n | | 28,147 |
| Porterville I. D. | 5-22.29 | CVP & Tule River | n c a | 20,000 5,000 1,000 | 26,000 | c & a | | 9,000 | | | |
| Riverdale I. D. Northwest portion of the Lower Kings River Area. | 5-22.20 | Kings River | | | | | | | n c p | 884 16,875 10,969 | 28,728 |
| Rosedale-Rio Bravo W. S. D. Northern portion of the Kern River Delta Area. | 5-22.40 | CVP & Kern River | n & c a | 36,141 15,489 | 51,630 | c & a | | 39,038 | n & c a o | 35,730 23,820 9,450 | 69,000 |
| Saucelito I. O. | 5-22.32 | CVP | n | | 5,500 | n | | 1,230 | n o | 2,640 77 | 2,717 |
| Shafter-Wasco I. D. | 5-22.38 | CVP | | | | | | | m | | 50,114 |
| Stone Corral I. D. | 5-22.22 | CVP | c | | 2,400 | | | | | | |
| Tulare I. D. | 5-22.25 | CVP & Kaweah River | | | | | | | n a o | | 175,194 |
| Vandalia I. D. | 5-22.31 | Tule River | | | | o | | 2,000 | a | | 1,500 |

Record published as received from districts and agencies.

CVP Central Valley Project
n Natural stream channels
c Canals
a Artificial recharge basins
o Open land spreading
i Injection method
p Other--percolation from irrigation
m No method indicated

APPENDIX D
SURFACE WATER QUALITY

INTRODUCTION

Appendix D summarizes the surface water quality, electrical conductivity, and water temperature data for the San Joaquin Valley for 1967 water year (October 1, 1966, through September 30, 1967). These data were obtained from analyses of water samples from 31 surface water quality sampling stations, seven electrical conductivity recorders and two temperature recorders. Water samples are collected by the Department of Water Resources, the U. S. Corps of Engineers, and Kern County Parks and Recreation. Electrical conductivity and temperature recorders are serviced and maintained by the Department of Water Resources.

Laboratory analyses of surface water samples reported herein were performed in accordance with the 12th Edition of "Standard Methods for the Examination of Water and Waste Water".

Each station in this appendix has been assigned an eight-digit identification number. The first two digits denote the drainage basin as shown below. The third digit indicates the stream and the next three integers designate the relative number of the station on the stream system.

HYDROGRAPHIC AREA B

SAN JOAQUIN RIVER BASIN

B0 - San Joaquin Valley Floor
B3 - Stanislaus River
B4 - Tuolumne River
B5 - Merced River
B6 - Fresno-Chowchilla Rivers
B7 - San Joaquin River
B8 - San Joaquin Valley on West Side

HYDROGRAPHIC AREA C

TULARE LAKE DRAINAGE BASIN

C0 - Tulare Lake Valley Floor
C1 - Kings River
C2 - Kaweah River
C3 - Tule River
C4 - Greenhorn Mountains
C5 - Kern River
C6 - Tehachapi Mountains
C7 - Tulare Lake Basin on West Side

The last two digits denote the location of the sampling station relative to a gaging station as shown below.

.00 Sampled at gage station
.02 Sampled upstream within one mile of gage station
.98 Sampled downstream within one mile of gage station
.05 Sampled more than one mile from gage station

TABLE D-1
SAMPLING STATION DATA AND INDEX
FOR
SURFACE WATER

| Station | Station Identification Number | Location ^a | Period of Record ^b | Frequency of Sampling ^c | Sampled By ^d | Analysis on Page |
|---|-------------------------------------|-----------------------|-------------------------------------|--|----------------------------|------------------------|
| Big Creek above Pine Flat Dam (33d) | C11320.00 | 12S/25E- 4 | July 1960 | M | USACE | 243,277,282 |
| Chowchilla River near Raymond (114) | B64200.00 | 8G/18E- 1 | January 1962 | S | DWR | 244,276,280 |
| Delta-Mendota Canal near Mendota (92) | B00770.00 | 13S/15E-19 | July 1952 | Q | DWR | 245,275,279 |
| Delta-Mendota Canal near Tracy (93) | B95925.00 | 1S/ 4E-30 | July 1952 | Q | DWR | 246,276,281 |
| Fresno River near Daulton (113) | B67150.00 | 9S/19E-34 | January 1958 | S | DWR | 247,276,280 |
| Kaweah River below Terminus Dam (35) | C02185.00 | 17S/27E-25 | September 1961 | M | USACE | 248,276,281 |
| Kaweah River at Three Rivers (35b) | C21250.00 | 17S/28E-27 | April 1951 | M | USACE | 249,277,283 |
| Kern River near Bakersfield (36) | C05150.00 | 29S/28E- 9 | April 1951 | Q | KCPR | 250,277,282 |
| Kern River below Isabella Dam (36a) | C51350.00 | 26S/33E-30 | September 1955 | Q | USACE | 251,277,283 |
| Kern River near Kernville (36b) | C51500.00 | 25S/33E-15 | September 1955 | Q | USACE | 252,277,283 |
| Kings River below North Fork (33c) | C11460.00 | 12S/26E-21 | September 1955 | M | USACE | 253,277,282 |
| Kings River below Peoples Weir (34) | C01140.00 | 17S/22E- 1 | April 1951 | Q | DWR | 254,276,281 |
| Kings River below Pine Flat Dam (35b) | C11140.00 | 13S/24E- 2 | September 1955 | M | USACE | 255,277,282 |
| Merced River above Lake McClure (32b) | B51400.00 | 3S/18E-36 | March 1966 | S | DWR | 256,276,280 |
| Merced River near Stevinson (32) | B05125.00 | 6S/ 9E-36 | April 1951 | S | DWR | 257,275,279 |
| Salt Slough at San Luis Ranch (24c) | B00475.00 | 9S/11E- 7 | November 1958 | S | DWR | 258,275,279 |
| San Joaquin River at Crows Landing Bridge (26b) | B07250.00 | 6S/ 9E- 7 | January 1962 | Q | DWR | 259,276,280 |
| San Joaquin River at Fremont Ford Bridge (25c) | B07375.00 | 7S/ 9E-24 | July 1955 | S | DWR | 260,276,280 |
| San Joaquin River at Friant Dam (24) | B07885.00 | 11S/21E- 7 | April 1951 | S | DWR | 261,276,280 |
| San Joaquin River near Grayson (26) | B07080.00 | 4S/ 7E-24 | April 1959 | Q | DWR | 262,276,279 |
| San Joaquin River at Maze Road Bridge (26a) | B07040.00 | 3S/ 7E-33 | April 1951 | S | DWR | 263,275,279 |
| San Joaquin River near Mendota (25) | B07710.00 | 13S/15E- 7 | April 1951 | S | DWR | 264,276,280 |
| San Joaquin River at Patterson Bridge (27a) | B07200.00 | 5S/ 8E-15 | January 1962 | S | DWR | 265,276,280 |
| San Joaquin River near Vernalis (27) | B07020.00 | 3S/ 6E-13 | April 1951 | M | DWR | 266,275,279 |
| Stanislaus River at Koetitz (29) | B03115.00 | 3S/ 7E- 2 | April 1951 | S | DWR | 267,275,279 |
| Stanislaus River above Melones Reservoir (29b) | B31340.50 | 2N/14E- 9 | March 1966 | S | DWR | 268,276,280 |
| Tule River near Springville (91b) | C31150.00 | 21S/29E-15 | November 1963 | M | USACE | 269,277,283 |
| Tule River below Success Dam (91) | C03196.00 | 21S/28E-35 | July 1952 | M | USACE | 270,276,281 |
| Tuolumne River above Don Pedro Reservoir (31b) | B41265.50 | 1S/15E-20 | March 1966 | S | DWR | 271,276,280 |
| Tuolumne River at Hickman Bridge (30) | B04150.00 | 3S/11E-34 | April 1951 | S | DWR | 272,275,279 |
| Tuolumne River at Tuolumne City (31) | B04105.00 | 4S/ 8E-12 | April 1951 | S | DWR | 273,275,279 |

a. Locations are in reference to Mt. Diablo Base and Meridian

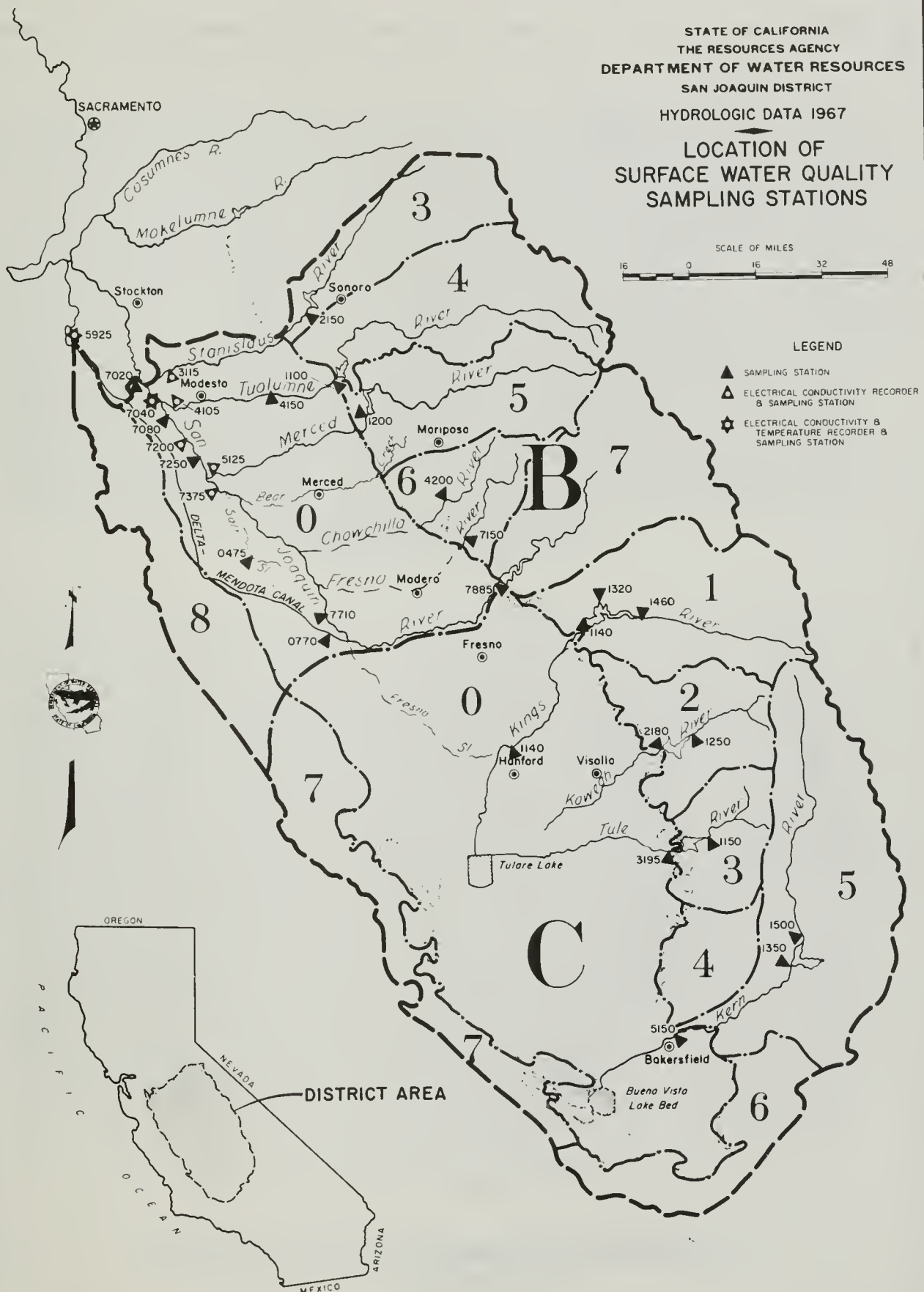
b. Beginning of record

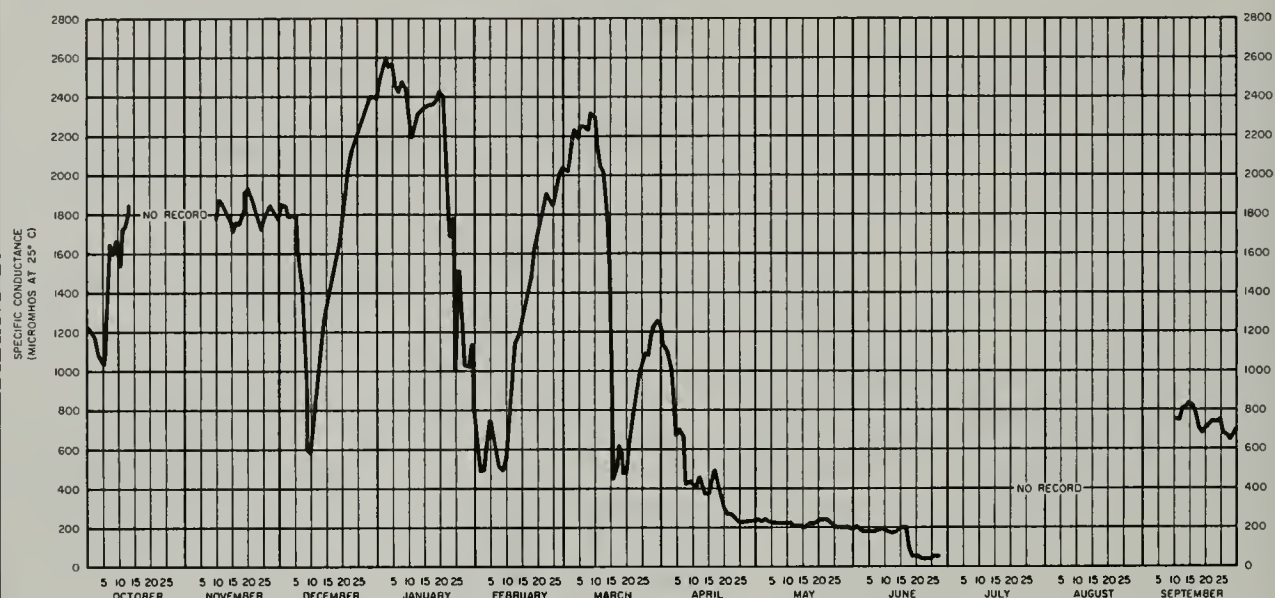
c. M - Monthly, Q - Quarterly, S - Semiannually

d. DWR - Department of Water Resources, USACE - United States Army Corps of Engineers,

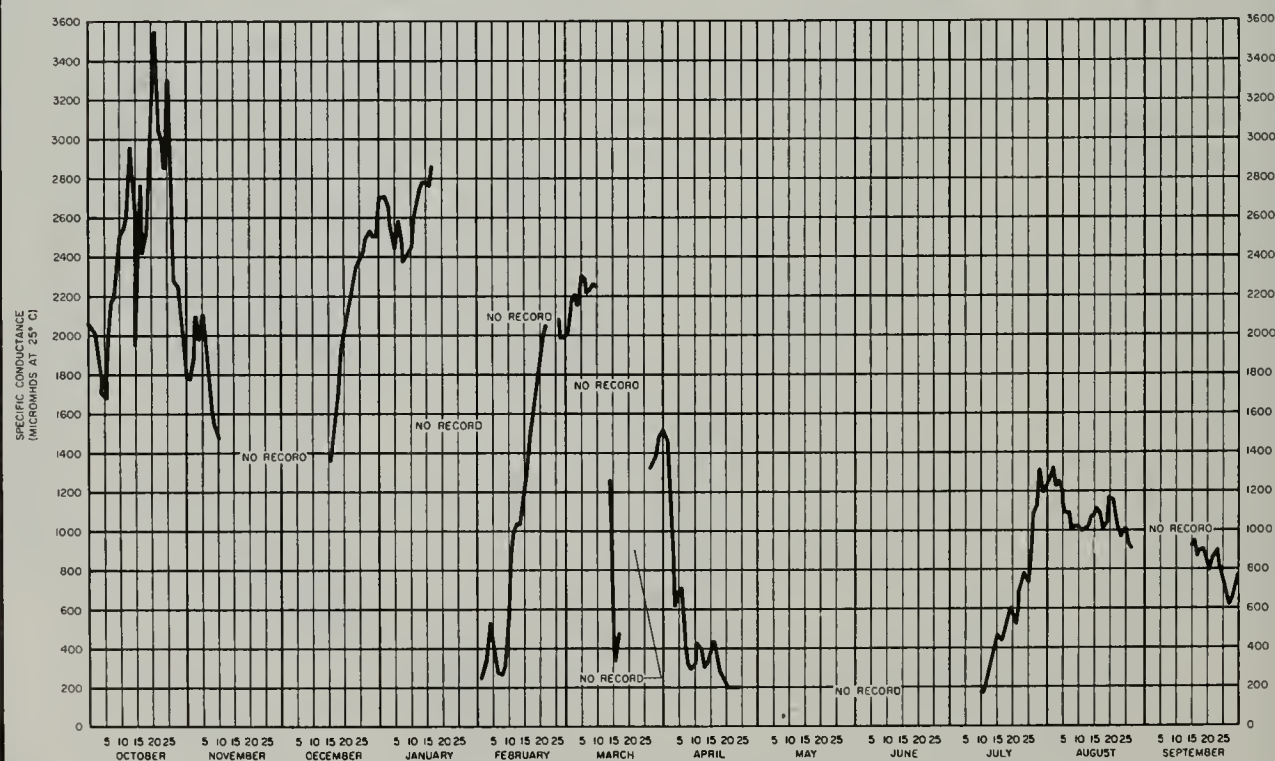
KCPR - Kern County Parks and Recreation

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN JOAQUIN DISTRICT
HYDROLOGIC DATA 1967
LOCATION OF
SURFACE WATER QUALITY
SAMPLING STATIONS



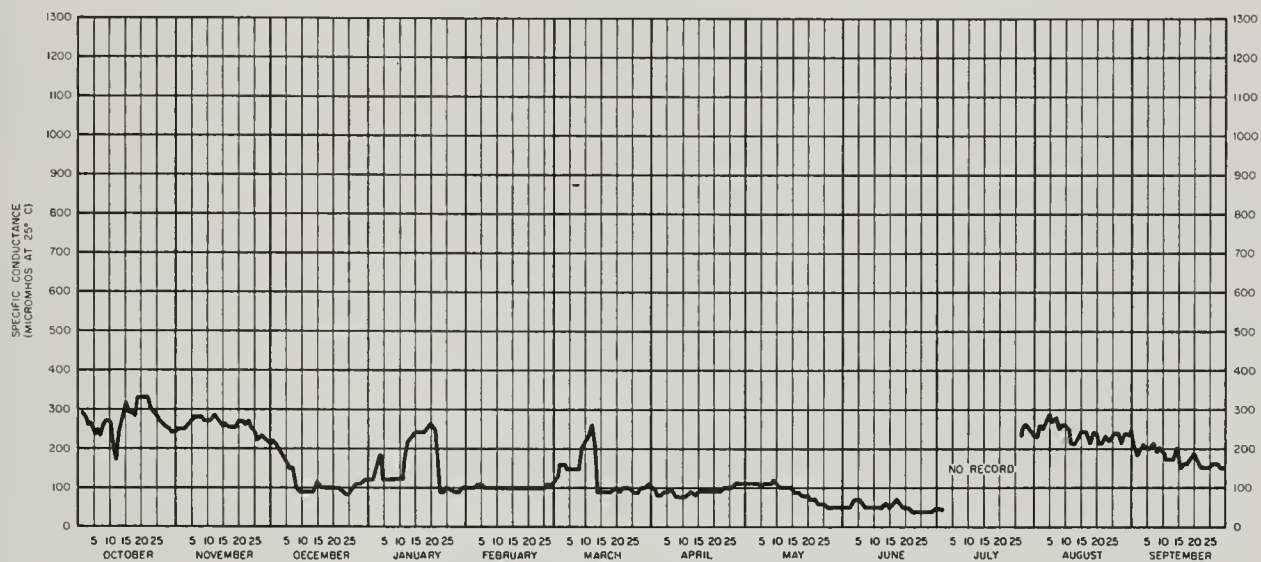


SAN JOAQUIN RIVER AT PATTERSON BRIDGE
STA. No. 7200 RIVER MILE 104.5

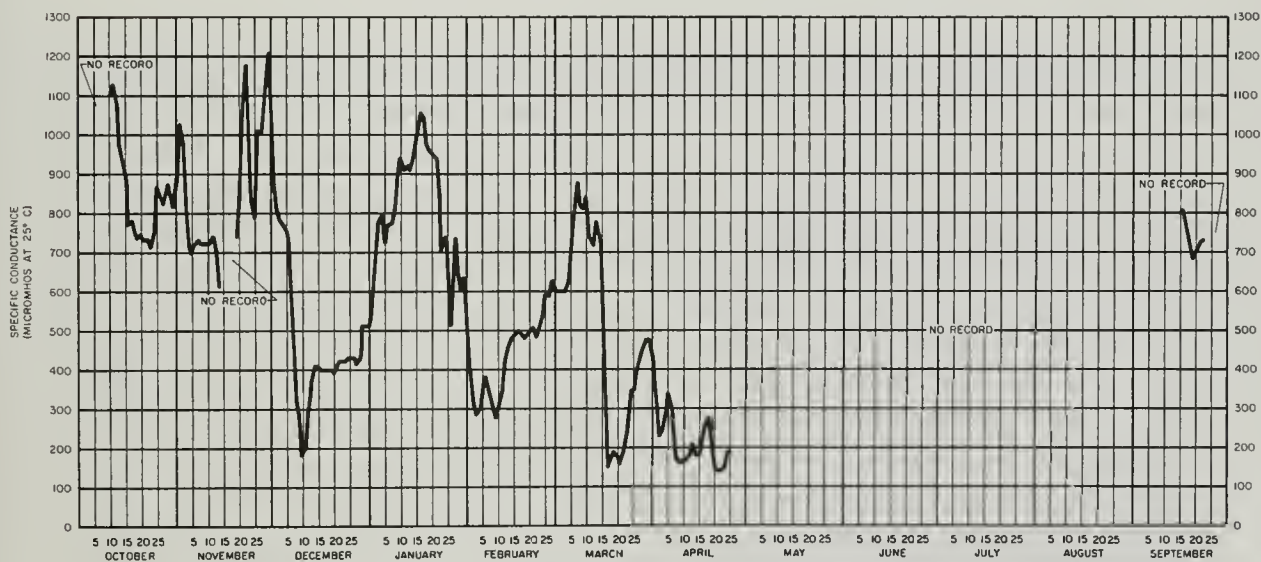


SAN JOAQUIN RIVER AT FREMONT FORD
STA. No. 7375 RIVER MILE 129.5

DAILY MEAN SPECIFIC CONDUCTANCE AT SELECTED STATIONS
SAN JOAQUIN VALLEY
1967

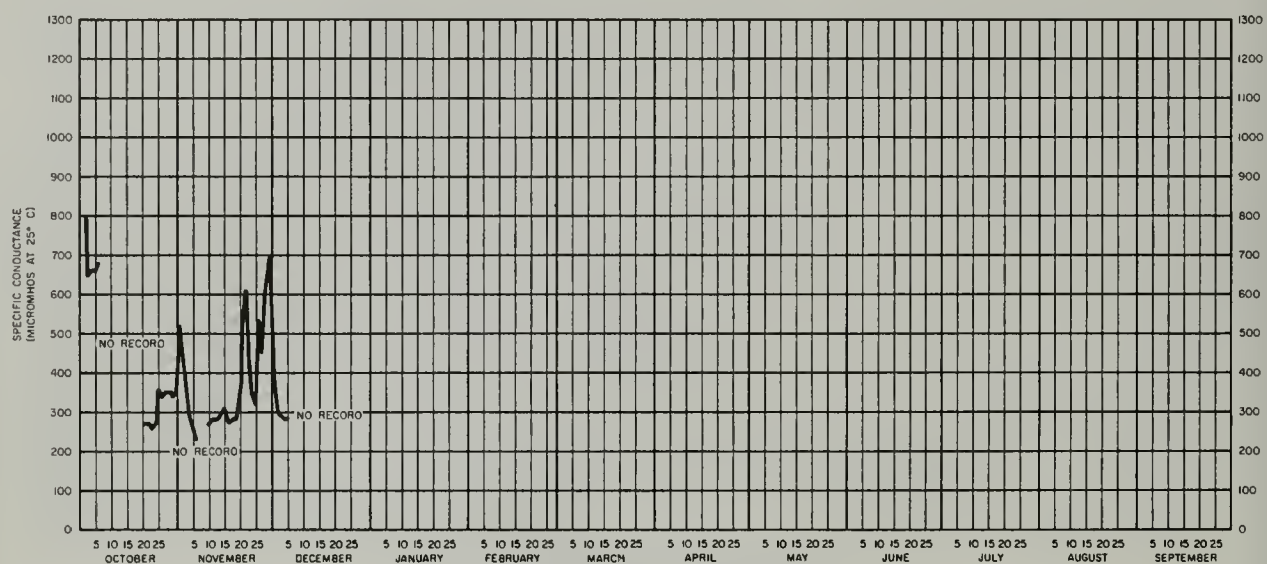


STANISLAUS RIVER AT KOETITZ RANCH
STA. No. 3115 RIVER MILE 9.5

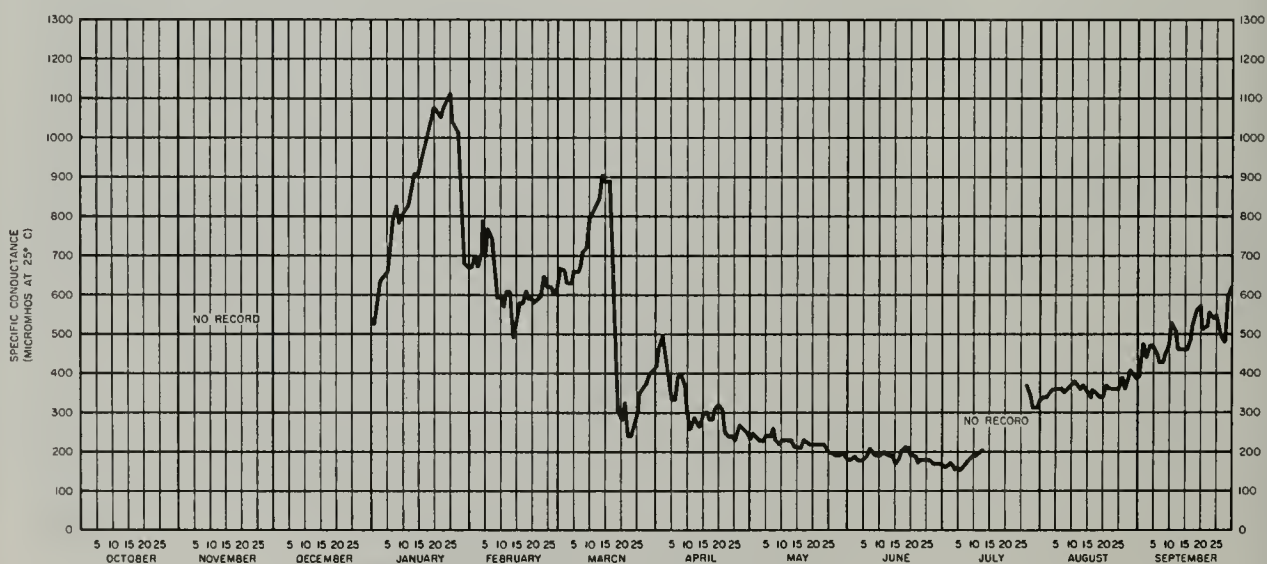


SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE
STA. No. 7040 RIVER MILE 82.9

DAILY MEAN SPECIFIC CONDUCTANCE AT SELECTED STATIONS
SAN JOAQUIN VALLEY
1967



TUOLUMNE RIVER NEAR TUOLUMNE CITY
STA. No. 4105 RIVER MILE 2.9



DELTA MENDOTA CANAL NEAR TRACY
STA. No. 5925 CANAL MILE 3.5

DAILY MEAN SPECIFIC CONDUCTANCE AT SELECTED STATIONS
SAN JOAQUIN VALLEY
1967

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

This table presents analyses performed by the Department of Water Resources Bryte Laboratory or the U. S. Geological Survey Laboratory in Sacramento. The U. S. Geological Survey Laboratory is coded as 5000 and Bryte Laboratory as 5050.

The sampler codes are as follows:

| | |
|------|----------------------------------|
| 5002 | U. S. Army Corps of Engineers |
| 5050 | Department of Water Resources |
| 5204 | City and County of San Francisco |
| 5633 | Kern County Parks and Recreation |

The following are definitions of chemical symbols and of abbreviations used in this table.

| <u>Chemical Symbols</u> | | <u>Abbreviations</u> | |
|-------------------------|-------------|----------------------|------------------------|
| B | Boron | DO | Dissolved Oxygen |
| CA | Calcium | EC | Electrical Conductance |
| CL | Chloride | FLD | Field Determination |
| CO3 | Carbonate | LAB | Laboratory |
| F | Fluoride | NCH | Non Carbonate Hardness |
| HCO3 | Bicarbonate | TDS | Total Dissolved Solids |
| K | Potassium | TEMP | Temperature |
| MG | Magnesium | TH | Total Hardness |
| NA | Sodium | SAT | Per Cent Saturation |
| NO3 | Nitrate | | |
| SI02 | Silica | | |
| SO4 | Sulfate | | |

TABLE D-2
BIG CREEK ABOVE PINE FLAT DAM
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.M. Q | DO SAT | TEMP | PH LAB FLD | FC LAB FLD | MINERAL CONSTITUENTS IN | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | | TH NCH |
|---|---------------|-----------|------|------------------|------------------|-------------------------|------------------|------------------|---|-----------------|------------------|-----------------|------------------|----------------------|----|-----|------|------------|-----------|
| | | | | | | CA | MG | NA | K | CO ₃ | HCO ₃ | SO ₄ | CL | NO ₃ | F | R | SI02 | TDS SUM | |
| C11320.00 10/10/66 5050 1035 5002 | | | -- | 7.9 | 179 | 16 .80 47 | 2.9 .24 14 | 14 .61 35 | 2.9 .07 4 | 0.0 | 64 1.05 66 | 4.9 .10 6 | 16 .45 28 | 0.0 | -- | 0.1 | -- | 115 88 | 52 0 |
| C11320.00 11/14/66 5050 1025 5002 | 1.19 4.0 | 10.3 | 64 F | 8.1 | 159 | -- | -- | 14 .61 | -- | 0.0 | 61 1.00 | -- | 15 .42 | -- | -- | 0.1 | -- | -- | 49 0 |
| C11320.00 12/12/66 5050 1030 5002 | 2.21 5.4 | 10.2 | 64 F | 7.6 | 97 | -- | -- | 5.4 .25 | -- | 0.0 | 37 .61 | -- | 3.2 .09 | -- | -- | 0.0 | -- | -- | 25 0 |
| C11320.00 01/09/67 5050 1010 5002 | 1.70 15.0 | 13.5 | 34 F | 7.8 | 97 | -- | -- | 6.6 .29 | -- | 0.0 | 46 .75 | -- | 4.9 .14 | -- | -- | 0.0 | -- | -- | 32 0 |
| C11320.00 02/13/67 5050 1020 5002 | 2.35 30.0 | 10.1 | 44 F | 7.6 | 85 | -- | -- | 6.3 .27 | -- | 0.0 | 39 .64 | -- | 2.9 .08 | -- | -- | 0.0 | -- | -- | 26 0 |
| C11320.00 03/13/67 5050 1205 5002 | | | -- | 7.7 | 56 | -- | -- | 3.7 .16 | -- | 0.0 | 29 .48 | -- | 1.9 .05 | -- | -- | 0.0 | -- | -- | 19 0 |
| C11320.00 04/10/67 5050 1215 5002 | 3.12 26.5 | 10.1 | 48 F | 7.5 | 97 | -- | -- | 5.2 .25 | -- | 0.0 | 42 .69 | -- | 2.6 .07 | -- | -- | 0.0 | -- | -- | 29 0 |
| C11320.00 05/08/67 5050 1030 5002 | 3.49 323.0 | 10.1 | 52 F | 7.5 | 64 | 7.2 .36 60 | 0.5 .04 7 | 3.4 .17 24 | 1.2 .03 5 | 0.0 | 34 .56 89 | 1.5 .03 5 | 0.3 .01 2 | 1.9 .03 5 | -- | 0.0 | -- | 40 33 | 20 0 |
| C11320.00 06/12/67 5050 1010 5002 | 2.67 120.0 | 10.0 | 54 F | 7.5 7.5 | 68 | -- | -- | 4.2 .14 | -- | 0.0 | 36 .59 | -- | 2.2 .06 | -- | -- | 0.0 | -- | -- | 22 0 |
| C11320.00 07/10/67 5050 1030 5002 | 2.00 63.0 | 9.5 | 69 F | 7.9 | 86 | -- | -- | 5.6 .24 | -- | 0.0 | 44 .72 | -- | 3.8 .11 | -- | -- | -- | -- | -- | 24 0 |
| C11320.00 09/11/67 5050 1100 5002 | 1.38 17.0 | 12.0 | 69 F | 7.5 | 108 | 9.6 .48 45 | 1.9 .16 15 | 8.9 .39 34 | 1.5 .04 4 | 0.0 | 51 .84 82 | 0.0 | 5.7 .16 16 | 1.3 .02 2 | -- | 0.1 | -- | 90 54 | 32 0 |

TABLE D-2 (cont.)
CHOWCHILLA RIVER NEAR RAYMOND
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | LAB SAMPLER | G.H. Q | DO SAT | TEMP F | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | | TDS SUM | TH NCH |
|--------------------------------|----------------|-----------|-----------|-----------|------------------|------------------|-------------------------|-----|------|-----|---|------|-----|------|-----|----------------------|-----|------|-----|----|------------|-----------|
| | | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | B | SI02 | | | | |
| R64200.00 | | 71.33 | 9.0 | 67 F | 7.6 | 118 | 13 | 1.3 | 7.8 | 1.3 | 0.0 | 59 | 0.2 | 3.9 | 0.8 | -- | 0.0 | -- | 88 | 38 | | |
| 05/14/47 | 5050 | | | | 7.7 | | .65 | .11 | .34 | .03 | | .97 | | .11 | .01 | | | | 57 | 0 | | |
| 0935 | 5050 | | | | | | 58 | 10 | 30 | 3 | | 89 | | 10 | 1 | | | | | | | |
| R64200.00 | | 67.79 | 9.8 | 67 F | 7.6 | 339 | 26 | 6.4 | 30 | 3.2 | 0.0 | 108 | 0.0 | 52 | 0.8 | -- | 0.1 | -- | 208 | 92 | | |
| 09/12/47 | 5050 | | | | 7.7 | | 1.30 | .53 | 1.31 | .08 | | 1.77 | | 1.47 | .01 | | | | 171 | 4 | | |
| 0745 | 5050 | | | | | | 40 | 16 | 41 | 2 | | 54 | | .45 | | | | | | | | |

TABLE D-2 (cont.)

DELTA-MENDOTA CANAL NEAR MENDOTA
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. Q | DO SAT | TEMP | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | | MILLIGRAMS PER LITER | | |
|--------------------------------|--------------|-----------|-------|------------------|------------------|-------------------------|------------------|------------------|---|-----|------------------|-----------------|------------------|----------------------|----|-----|------|------------|----------------------|--|--|
| | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | H | SI02 | TDS SUM | TH NCH | | |
| R00770.00 10/10/66 1015 | 5050 5050 | 7.3 | 70 F | 8.1 7.4 | 444 | -- | -- | 43 1.87 | -- | 0.0 | 107 1.75 | -- | 55 1.55 | -- | -- | 0.2 | -- | -- | 107 20 | | |
| R00770.00 11/16/66 1200 | 5050 5050 | 9.4 | 59 F | 8.2 7.8 | 811 | 34 1.90 | 20 1.64 | 92 4.00 | -- | 0.0 | 131 2.15 | -- | 133 3.75 | -- | -- | 0.4 | -- | -- | 177 70 | | |
| R00770.00 12/12/66 1510 | 5050 5050 | 10.3 | 55 F | 8.0 8.0 | 903 | -- | -- | 99 4.31 | -- | 0.0 | 134 2.20 | -- | 139 3.92 | -- | -- | 0.5 | -- | -- | 187 77 | | |
| R00770.00 01/19/67 1450 | 5050 5050 | 18.3 | 47 F | 8.0 8.4 | 1220 | -- | -- | 135 5.87 | -- | 0.0 | 150 2.46 | -- | 168 4.74 | -- | -- | 0.6 | -- | -- | 256 133 | | |
| R00770.00 02/20/67 1450 | 5050 5050 | 9.4 | 54 F | 7.7 7.5 | 605 | -- | -- | 66 2.87 | -- | 0.0 | 87 1.43 | -- | 81 2.28 | -- | -- | 0.4 | -- | -- | 143 72 | | |
| R00770.00 03/16/67 1455 | 5050 5050 | 10.0 | 58 F | 8.1 7.6 | 761 | -- | -- | 80 3.49 | -- | 0.0 | 93 1.53 | -- | 105 2.96 | -- | -- | 0.5 | -- | -- | 169 93 | | |
| R00770.00 04/25/67 1330 | 5050 5050 | 11.4 | 65 F | 8.1 8.4 | 326 | -- | -- | 31 1.35 | -- | 0.0 | 59 .97 | -- | 39 1.10 | -- | -- | 0.2 | -- | -- | 80 32 | | |
| R00770.00 05/08/67 0850 | 5050 5050 | 15.1 | 74 F | 7.5 8.4 | 328 | 22 1.10 34 | 4.4 .36 12 | 32 1.39 44 | 1.6 .04 1 | 0.0 | 59 .97 31 | 40 .83 27 | 38 1.07 34 | 15 .24 8 | -- | 0.2 | -- | 190 182 | 73 25 | | |
| R00770.00 06/08/67 1300 | 5050 5050 | 9.9 | -- | 7.2 8.4 | 475 | -- | -- | 47 2.04 | -- | 0.0 | 69 1.13 | -- | 48 1.35 | -- | -- | 0.3 | -- | -- | 110 54 | | |
| R00770.00 07/07/67 1030 | 5050 5050 | 7.6 | 79 F | 6.1 7.6 | 47 | -- | -- | 2.2 .10 | -- | 0.0 | 25 .41 | -- | 2.2 .06 | -- | -- | 0.0 | -- | -- | 17 0 | | |
| R00770.00 09/14/67 1310 | 5050 5050 | 9.4 | 7.6 F | 7.7 7.8 | 335 | 17 .85 26 | 10 .82 26 | 34 1.48 46 | 2.2 .06 2 | 0.0 | 78 1.28 41 | 35 .73 23 | 39 1.10 35 | 1.2 .02 1 | -- | 0.2 | -- | 198 177 | 84 20 | | |

TABLE D-2 (cont.)
DELTA-MENDOTA CANAL NEAR TRACY
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | LAH SAMPLER | G.M. D | DO SAT | TEMP | PH LAH FLD | EC LAH FLD | MINERAL CONSTITUENTS IN | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | | TDS SUM | TH NCH |
|--------------------------------|----------------|-----------|-----------|------|------------------|------------------|-------------------------|------------------|------------------|---|-----|-------------------|------------------|-------------------|----------------------|----|-----|------|------------|------------|-----------|
| | | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | B | SI02 | | | |
| R95925.00 10/05/66 0815 | 5050 5050 | 1704.0 | | 68 F | 8.1 8.1 | 921 | -- | -- | 103 4.48 | -- | 0.0 | 169 2.77 | -- | 148 4.17 | -- | -- | 0.3 | -- | -- | 185 47 | |
| | | | | | | | | | | | | | | | | | | | | | |
| R95925.00 11/10/66 1000 | 5050 5050 | 840.0 | 9.8 | 58 F | 7.8 7.9 | 1060 1000 | 54 2.69 | 23 1.89 | 119 5.14 | -- | 0.0 | 166 2.72 | -- | 179 5.05 | -- | -- | 0.6 | -- | -- | 229 93 | |
| | | | | | | | | | | | | | | | | | | | | | |
| R95925.00 12/06/66 1555 | 5050 5050 | 4351.0 | 7.5 | 54 F | 7.7 7.3 | 1090 1108 | -- | -- | 124 5.39 | -- | 0.0 | 170 2.79 | -- | 174 4.91 | -- | -- | 0.6 | -- | -- | 228 89 | |
| | | | | | | | | | | | | | | | | | | | | | |
| R95925.00 01/03/67 1605 | 5050 5050 | | 10.3 | 45 F | 7.7 7.3 | 745 | -- | -- | 74 3.39 | -- | 0.0 | 101 1.66 | -- | 108 3.05 | -- | -- | 0.5 | -- | -- | 160 77 | |
| | | | | | | | | | | | | | | | | | | | | | |
| R95925.00 02/02/67 1020 | 5050 5050 | | 8.3 | 53 F | 8.2 7.2 | 696 650 | -- | -- | 80 3.48 | -- | 0.0 | 96 1.57 | -- | 101 2.85 | -- | -- | 0.5 | -- | -- | 149 71 | |
| | | | | | | | | | | | | | | | | | | | | | |
| R95925.00 03/02/67 0925 | 5050 5050 | | 10.4 | 54 F | 7.9 7.6 | 760 | -- | -- | 80 3.48 | -- | 0.0 | 108 1.77 | -- | 109 3.07 | -- | -- | 0.5 | -- | -- | 171 83 | |
| | | | | | | | | | | | | | | | | | | | | | |
| R95925.00 04/04/67 1545 | 5050 5050 | | | 51 F | 7.8 7.2 | 290 | -- | -- | 12 .52 | -- | 0.0 | 54 .89 | -- | 15 .42 | -- | -- | 0.2 | -- | -- | 71 27 | |
| | | | | | | | | | | | | | | | | | | | | | |
| R95925.00 05/03/67 1145 | 5050 5050 | | 8.1 | 54 F | 8.1 | 198 | 16 .80 44 | 4.1 .34 19 | 15 .65 36 | 1.5 .04 2 | 0.0 | 63 1.03 57 | 13 .27 15 | 18 .51 28 | 0.9 .01 1 | -- | 0.1 | -- | 144 99 | 57 6 | |
| | | | | | | | | | | | | | | | | | | | | | |
| R95925.00 06/06/67 1330 | 5050 5050 | | 8.7 | -- | 7.1 7.1 | 195 | -- | -- | 17 .74 | -- | 0.0 | 47 .77 | -- | 23 .65 | -- | -- | 0.1 | -- | -- | 50 12 | |
| | | | | | | | | | | | | | | | | | | | | | |
| R95925.00 07/06/67 0830 | 5050 5050 | | 8.2 | 71 F | 7.3 7.1 | 116 | -- | -- | 8.3 .36 | -- | 0.0 | 31 .51 | -- | 12 .34 | -- | -- | 0.1 | -- | -- | 28 3 | |
| | | | | | | | | | | | | | | | | | | | | | |
| R95925.00 09/11/67 1210 | 5050 5050 | | 9.3 | 74 F | 7.7 8.4 | 838 670 | 40 2.00 26 | 21 1.73 22 | 92 4.00 51 | 4.2 .11 1 | 0.0 | 145 2.38 31 | 85 1.77 23 | 125 3.53 46 | 3.7 .06 1 | -- | 0.4 | -- | 478 442 | 187 68 | |
| | | | | | | | | | | | | | | | | | | | | | |

TABLE D-2 (cont.)

FRESNO RIVER NEAR DAULTON

MINERAL ANALYSES OF SURFACE WATER

| STATION DATE TIME | NUMBER LAB SAMPLER | G.H. Q | D.O. SAT | TEMP | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | | TDS SUM | TH NCH |
|-------------------------------|--------------------------|-----------|-------------|------|------------------|------------------|-------------------------|-----------|-----------|----------|---|------------------|-----------------|-----------|-----------------|----------------------|-----|------------------|--|--|------------|-----------|
| | | | | | | | CA | MG | NA | K | CO ₃ | HCO ₃ | SO ₄ | CL | NO ₃ | F | B | SI0 ₂ | | | | |
| R67150.00 05/17/67 0855 | 5050 5050 | | 6.8 | 66 F | 7.9 7.6 | 100 | 11 | 1.3 | 6.4 | 1.3 | 0.0 | 50 | 1.6 | 3.2 | 2.1 | -- | 0.0 | -- | | | 82 | 33 |
| | | | | | | | .55 56 | .11 11 | .24 30 | .03 3 | | .82 85 | .03 3 | .09 9 | .03 3 | | | | | | 52 | 0 |
| R67150.00 09/12/67 0845 | 5050 5050 | | 10.0 | 69 F | 7.6 7.6 | 207 | 14 | 2.7 | 21 | 2.2 | 0.0 | 51 | 2.3 | 32 | 3.0 | -- | 0.0 | -- | | | 127 | 46 |
| | | | | | | | .70 37 | .22 12 | .91 48 | .06 3 | | .84 46 | .05 3 | .90 49 | .05 3 | | | | | | 102 | 4 |

TABLE D-2 (cont.)
KAWAHA RIVER BELOW TERMINUS DAM
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.M. LAT SAMPLER | DO SAT | TEMP F | PH LAT FID | EC LAT FLD | MINERAL CONSTITUENTS IN | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUF | | | | | MILLIGRAMS PER LITER | | | | | | |
|--------------------------------|------------------------|-----------|-----------|------------------|------------------|-------------------------|------------------|------------------|---|-----------|-----------------|-----------------|-----------------|----------------------|-----|-----|------|------------|-----------|---------|
| | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | H | SI02 | TDS SUM | TH NCH | |
| | | | | | | | | | | | | | | | | | | | | |
| C021A5.00 10/17/66 0745 | 5050 5002 | 9.0 | 65 F | 7.8 | 126 | -- | -- | 5.2 .23 | -- | 0.0 | 63 1.03 | -- | 5.9 .17 | -- | -- | 0.0 | -- | -- | -- | 59 8 |
| C021A5.00 11/17/66 0900 | 5050 5002 | 9.4 | 62 F | 7.5 | 139 | -- | -- | 7.5 .33 | -- | 0.0 | 65 1.07 | -- | 6.9 .19 | -- | -- | 0.1 | -- | -- | -- | 48 0 |
| C021A5.00 12/12/66 0815 | 5050 5002 | 11.0 | 50 F | 6.5 | 65 | -- | -- | 3.4 .15 | -- | 0.0 | 17 .28 | -- | 2.8 .08 | -- | -- | 0.2 | -- | -- | -- | 20 6 |
| C021A5.00 01/09/67 0800 | 5050 5002 | 12.1 | 40 F | 7.0 | 73 | -- | -- | 5.8 .25 | -- | 0.0 | 30 .49 | -- | 2.3 .06 | -- | -- | 0.0 | -- | -- | -- | 28 4 |
| C021A5.00 02/06/67 0800 | 5050 5002 | 2.92 | 11.0 | 46 F | 7.1 | 97 | -- | -- | 3.8 .17 | 0.0 | 51 .84 | -- | 2.4 .07 | -- | -- | 0.0 | -- | -- | -- | 39 0 |
| C021A5.00 03/09/67 0900 | 5050 5002 | 2.39 | 10.5 | 50 F | 7.2 | 82 | -- | -- | 4.0 .17 | 0.0 | 42 .69 | -- | 2.0 .06 | -- | -- | 0.0 | -- | -- | -- | 31 0 |
| C021A5.00 04/12/67 1030 | 5050 5002 | 3.0 | 54 F | 7.4 | 87 | -- | -- | 4.2 .14 | 0.0 | 43 .71 | -- | 2.1 .06 | -- | -- | 0.0 | -- | -- | -- | -- | 32 0 |
| C021A5.00 05/16/67 0815 | 5050 5002 | 6.89 | 11.0 | 55 F | 94 | 12 .60 63 | 0.7 .06 7 | 3.9 .17 20 | 1.7 .04 5 | 0.0 | 47 .77 87 | 3.3 .07 8 | 1.4 .04 4 | 0.7 .01 1 | -- | 0.0 | -- | 64 47 | 33 0 | |
| C021A5.00 06/15/67 1000 | 5050 5002 | 5.81 | 10.0 | 57 F | 66 | -- | -- | 2.2 .10 | -- | 0.0 | 32 .52 | -- | 2.1 .06 | -- | -- | 0.1 | -- | -- | -- | 25 0 |
| C021A5.00 07/00/67 5002 | 5050 5002 | 5.99 | 10.5 | -- | 36 | -- | -- | 1.5 .07 | -- | 0.0 | 16 .26 | -- | 0.9 .03 | -- | -- | 0.0 | -- | -- | -- | 14 1 |
| C021A5.00 08/02/67 5002 | 5050 5002 | 5.51 | 10.5 | -- | 40 | -- | -- | 2.4 .10 | -- | 0.0 | 23 .38 | -- | 1.0 .03 | -- | -- | 0.0 | -- | -- | -- | 20 1 |
| C021A5.00 09/11/67 1000 | 5050 5002 | 2.15 | 9.6 | 63 F | 71 | 9.5 .47 64 | 1.2 .10 14 | 2.9 .13 18 | 1.2 .03 4 | 0.0 | 36 .59 87 | 1.6 .03 4 | 1.7 .05 7 | 0.5 .01 1 | -- | 0.0 | -- | 26 36 | 28 0 | |

KAWAIAH RIVER AT THREE RIVERS
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. Q | DO SAT | TEMP F | PH LAH FLD | EC LAH FLD | MINERAL CONSTITUENTS IN | | | | MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | | MILLIGRAMS PER LITER | | | | MILLIGRAMS PER LITER | | | |
|---------------------------------------|----------------|-----------|-----------|------------------|------------------|-------------------------|------------------|------------------|-----------------|---|-----------------|-----------------|-----------------|-----------------|----|----------------------|------|------------|-----------|----------------------|----|---------|--|
| | | | | | | CA | MG | NA | K | CO3 | HC03 | SO4 | CL | NO3 | F | B | SI02 | TDS SUM | TH NCH | | | | |
| C21250.00 10/17/66 0930 | 23.0 | 11.0 | 57 F | 8.2 | 155 | -- | -- | 8.0 .35 | -- | 0.0 | 73 1.20 | -- | 13 .37 | -- | -- | 0.0 | -- | -- | -- | -- | -- | 61 1 | |
| C21250.00 11/17/66 5050 5002 | 2.13 46.7 | 10.4 | 58 F | 8.2 | 144 | -- | -- | 7.5 .33 | -- | 0.0 | 74 1.21 | -- | 11 .31 | -- | -- | 0.1 | -- | -- | -- | -- | -- | 60 0 | |
| C21250.00 12/12/66 0930 | | 11.5 | 46 F | 7.3 | 77 | -- | -- | 3.0 .13 | -- | 0.0 | 35 .57 | -- | 1.9 .05 | -- | -- | 0.1 | -- | -- | -- | -- | -- | 28 0 | |
| C21250.00 01/09/67 0930 | 2.92 | 13.4 | 38 F | 7.7 | 92 | -- | -- | 3.5 .15 | -- | 0.0 | 47 .77 | -- | 2.9 .08 | -- | -- | 0.0 | -- | -- | -- | -- | -- | 40 2 | |
| C21250.00 02/04/67 5050 5002 | | 11.5 | 45 F | 7.6 | 90 | -- | -- | 3.6 .16 | -- | 0.0 | 46 .75 | -- | 2.2 .06 | -- | -- | 0.0 | -- | -- | -- | -- | -- | 32 0 | |
| C21250.00 03/09/67 1100 | 2.39 458.0 | 10.3 | 49 F | 7.4 | 92 | -- | -- | 4.1 .18 | -- | 0.0 | 49 .80 | -- | 2.0 .06 | -- | -- | 0.0 | -- | -- | -- | -- | -- | 35 0 | |
| C21250.00 04/10/67 1100 | 1492.0 | 10.5 | 51 F | 7.5 | 95 | -- | -- | 4.7 .20 | -- | 0.0 | 46 .75 | -- | 2.2 .06 | -- | -- | 0.0 | -- | -- | -- | -- | -- | 36 0 | |
| C21250.00 05/16/67 5050 5002 | 6.89 2200.0 | 10.5 | 53 F | 7.7 | 61 | 8.4 .42 79 | 0.0 | 2.0 .09 17 | 0.6 .02 4 | 0.0 | 29 .48 89 | 2.5 .05 9 | 0.0 | 0.6 .01 2 | -- | 0.0 | -- | -- | 52 28 | 21 0 | | | |
| C21250.00 06/15/67 5050 5002 | 6.70 2220.0 | 9.0 | 53 F | 7.2 | 38 | -- | -- | 1.6 .07 | -- | 0.0 | 19 .31 | -- | 1.4 .04 | -- | -- | 0.1 | -- | -- | -- | -- | -- | 14 0 | |
| C21250.00 07/00/67 5050 5002 | 5.51 1053.0 | 9.5 | -- | 7.4 | 39 | -- | -- | 1.6 .07 | -- | 0.0 | 20 .33 | -- | 0.8 .02 | -- | -- | 0.0 | -- | -- | -- | -- | -- | 14 0 | |
| C21250.00 08/13/67 5050 5002 | | -- | -- | 7.0 | 95 | -- | -- | 3.6 .16 | -- | 0.0 | 49 .80 | -- | 2.1 .06 | -- | -- | 0.0 | -- | -- | -- | -- | -- | 38 0 | |
| C21250.00 09/11/67 5050 5002 | 3.04 148.0 | 9.4 | 65 F | 7.4 | 94 | 12 .60 64 | 1.5 .12 13 | 4.4 .19 20 | 1.2 .03 3 | 0.0 | 47 .77 85 | 2.3 .05 5 | 2.9 .08 9 | 0.8 .01 1 | -- | 0.0 | -- | -- | 43 48 | 36 0 | | | |

TABLE D-2 (cont.)

KERN RIVER NEAR BAKERSFIELD

MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. Q | DO SAT | TEMP | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | |
|--------------------------------|-----------|-----------|------|------------------|------------------|-------------------------|-----|-----|------|---|------|-----|-----|-----|----------------------|-----|------|------------|-----------|
| | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | H | SI02 | TDS SUM | TH NCH |
| C05150.00 10/04/66 0830 | 49.30 | | 66 F | 8.0 | 162 | -- | -- | 15 | -- | 0.0 | 74 | -- | 6.9 | -- | -- | 0.1 | -- | -- | 50 |
| | | | | | | | | .65 | | | 1.21 | | .19 | | | | | | |
| C05150.00 11/22/66 0830 | 49.46 | | 54 F | 8.0 | 180 | -- | -- | 17 | -- | 0.0 | 79 | -- | 7.5 | -- | -- | 0.2 | -- | 60 | |
| | | | | | | | | .74 | | | 1.30 | | .21 | | | | | | |
| C05150.00 12/12/66 1515 | 49.49 | | 49 F | 7.5 | 163 | 17 | 2.8 | 11 | -- | 0.0 | 66 | -- | 4.0 | -- | -- | 0.1 | -- | 54 | |
| | | | | | | | .45 | .23 | .48 | 1.08 | .11 | | | | | | | | 0 |
| C05150.00 01/03/67 0800 | 50.39 | | 43 F | 7.3 | 106 | 12 | 2.2 | 6.6 | 2.7 | 0.0 | 46 | 4.4 | 2.6 | 2.8 | -- | 0.1 | -- | 52 | |
| | | | | | | .60 | .18 | .29 | .07 | .75 | .09 | .07 | .05 | | | | | 56 | |
| | | | | | | 53 | 16 | 25 | 6 | | 78 | 9 | 7 | 5 | | | | | |
| C05150.00 01/31/67 0830 | 50.00 | | 46 F | 7.4 | 138 | -- | -- | 9.4 | -- | 0.0 | 62 | -- | 4.5 | -- | -- | 0.0 | -- | 45 | |
| | | | | | | | | .43 | 1.02 | .13 | | | | | | | | | 0 |
| C05150.00 03/01/67 0830 | 49.70 | | 46 F | 7.7 | 138 | -- | -- | 10 | -- | 0.0 | 63 | -- | 4.8 | -- | -- | 0.1 | -- | 42 | |
| | | | | | | | | .44 | 1.03 | .14 | | | | | | | | | 0 |
| C05150.00 04/12/67 1500 | 49.55 | | 52 F | 7.7 | 153 | -- | -- | 12 | -- | 0.0 | 70 | -- | 5.4 | -- | -- | 0.1 | -- | 50 | |
| | | | | | | | | .52 | 1.15 | .15 | | | | | | | | | 0 |
| C05150.00 05/10/67 0900 | 51.20 | | 52 F | 7.7 | 144 | 16 | 1.4 | 10 | 1.9 | 0.0 | 67 | 7.1 | 3.4 | 1.8 | -- | 0.1 | -- | 125 | |
| | | | | | | .80 | .12 | .44 | .05 | 1.10 | .15 | .10 | .03 | | | | | 75 | |
| | | | | | | 57 | 9 | 31 | 4 | | 80 | 11 | 7 | 2 | | | | | |
| C05150.00 06/15/67 1300 | 50.59 | | 64 F | 7.0 | 99 | -- | -- | 6.2 | -- | 0.0 | 44 | -- | 3.6 | -- | -- | 0.1 | -- | 32 | |
| | | | | | | | | .27 | .72 | .10 | | | | | | | | | 0 |
| C05150.00 07/25/67 1000 | | | 62 F | 7.3 | 69 | -- | -- | 4.4 | -- | 0.0 | 32 | -- | 1.8 | -- | -- | 0.0 | -- | 24 | |
| | | | | | | | | .21 | .52 | .05 | | | | | | | | | 0 |
| C05150.00 09/26/67 0945 | 50.19 | | 68 F | 7.4 | 99 | 10 | 1.6 | 7.4 | 1.5 | 0.0 | 48 | 5.1 | 2.8 | 0.2 | -- | 0.1 | -- | 66 | |
| | | | | | | .50 | .13 | .32 | .04 | .79 | .11 | .08 | | | | | | 52 | |
| | | | | | | 51 | 13 | 32 | 4 | | 81 | 11 | 8 | | | | | | |

TABLE D-2 (cont.)

KERN RIVER BELOW ISABELLA DAM
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. Q | DO SAT | TEMP F | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | | TDS SUM | TH NCH |
|--------------------------------|-----------|-----------|-----------|------------------|------------------|-------------------------|------------------|------------------|-----------------|---|------------------|------------------|-----------------|-----------------|----------------------|-----|------|----|-----------|------------|-----------|
| | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | N03 | F | B | SiO2 | | | | |
| C51350.00 10/03/66 1420 | 170.0 | 8.5 | 68 F | 8.0 | 144 | 16 .80 56 | 1.0 .08 6 | 12 .52 36 | 1.5 .04 3 | 0.0 | 66 1.08 81 | 6.2 .13 10 | 4.3 .12 9 | 0.7 .01 1 | -- | 0.2 | -- | -- | 87 74 | 44 0 | |
| C51350.00 01/04/67 1300 | 2718.0 | 10.5 | 43 F | 7.4 | 100 | 11 .55 54 | 1.6 .13 13 | 6.2 .27 26 | 2.6 .07 7 | 0.0 | 46 .75 72 | 8.6 .18 17 | 2.4 .07 7 | 2.3 .04 4 | -- | 0.1 | -- | -- | 70 57 | 34 0 | |
| C51350.00 05/11/67 0945 | 2574.0 | 10.2 | 51 F | 7.8 | 137 | 14 .70 51 | 1.7 .14 10 | 11 .48 35 | 1.7 .04 3 | 0.0 | 66 1.08 82 | 5.9 .12 9 | 3.1 .09 7 | 1.5 .02 2 | -- | 0.1 | -- | -- | 121 71 | 42 0 | |
| C51350.00 07/25/67 0940 | 2500.0 | 9.1 | 62 F | 7.6 | 65 | -- | -- | 4.8 .21 | -- | 0.0 | 32 .52 | -- | 1.7 .05 | -- | -- | 0.0 | -- | -- | -- | 25 0 | |
| C51350.00 09/00/67 5050 | 1595.0 | 8.3 | 69 F | 7.0 | 96 | 10 .50 51 | 1.7 .14 14 | 7.1 .31 31 | 1.6 .04 4 | 0.0 | 46 .75 81 | 4.4 .09 10 | 2.8 .08 9 | 0.5 .01 1 | -- | 0.1 | -- | -- | 65 51 | 32 0 | |

TABLE D-2 (cont.)
KERN RIVER NEAR KERNVILLE
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. Q | DO SAT | TEMP F | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | TDS SUM | TH NCH |
|--------------------------------|----------------|-----------|-----------|------------------|------------------|-------------------------|------------------|------------------|-----------------|---|------------------|-----------------|------------------|----------------------|----|-----|------|------------|-----------|
| | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | 8 | SI02 | | |
| C51500.00 10/03/66 1400 | 3.40 128.0 | 9.4 | 67 F | 8.1 | 172 | 15 .75 45 | 1.4 .12 7 | 17 .74 45 | 2.0 .05 3 | 0.0 | 74 1.21 74 | 10 .21 13 | 7.2 .20 12 | 0.6 .01 1 | -- | 0.2 | -- | 114 90 | 44 0 |
| C51500.00 01/04/67 1330 | | 11.0 | 37 F | 7.9 | 118 | -- | -- | 9.4 .41 | -- | 0.0 | 57 .93 | -- | 3.5 .10 | -- | -- | 0.0 | -- | -- | 36 0 |
| C51500.00 05/11/67 0930 | | 10.7 | 46 F | 7.5 | 83 | 9.0 .45 55 | 1.1 .09 11 | 6.2 .27 33 | 0.5 .01 1 | 0.0 | 42 .69 86 | 3.1 .06 8 | 1.3 .04 5 | 0.5 .01 1 | -- | 0.0 | -- | 49 42 | 27 0 |
| C51500.00 07/25/67 0930 | 4.83 2536.0 | 9.0 | 62 F | 7.3 | 45 | -- | -- | 3.2 .14 | -- | 0.0 | 20 .33 | -- | 1.1 .03 | -- | -- | 0.0 | -- | -- | 13 0 |
| C51500.00 09/00/67 0130 | 4.74 680.0 | 9.2 | 58 F | 7.4 | 89 | 8.6 .43 44 | 1.5 .12 13 | 7.2 .31 35 | 1.0 .03 3 | 0.0 | 40 .66 80 | 3.4 .07 8 | 2.6 .07 8 | 1.7 .03 4 | -- | 0.1 | -- | 72 46 | 28 0 |

TABLE D-2 (cont.)

KINGS RIVER BELOW NORTH FORK

MINERAL ANALYSES OF SURFACE WATER

| STATION DATE TIME | NUMBER LAH SAMPLE | G.H. O | DO SAT | TEMP F | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUF | | | | | MILLIGRAMS PER LITER | | | | |
|-------------------------------|-------------------------|-----------------|-----------|-----------|------------------|------------------|-------------------------|------------------|------------------|-----------------|---|-----------------|------------------|------------------|-----------------|----------------------|-----|------|------------|-----------|
| | | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | R | SI02 | TDS SUM | TH NCH |
| C11460.00 10/10/66 1140 | 5050 5002 | 2.40 154.0 | 7.5 | 64 F | 7.3 | 57 | 5.6 .28 54 | 1.0 .08 15 | 3.2 .14 27 | 0.9 .02 4 | 0.0 | 23 .38 84 | 1.0 .02 4 | 1.8 .05 11 | 0.3 | -- | 0.0 | -- | 44 25 | 18 0 |
| C11460.00 11/14/66 1125 | 5050 5002 | 2.52 164.0 | 10.2 | 54 F | 7.6 | 66 | -- | -- | 4.3 .19 | -- | 0.0 | 25 .41 | -- | 2.6 .07 | -- | -- | 0.1 | -- | -- | 21 1 |
| C11460.00 12/12/66 1130 | 5050 5002 | 5.05 165.0 | 10.2 | 45 F | 7.2 | 48 | -- | -- | 2.3 .10 | -- | 0.0 | 20 .33 | -- | 1.0 .03 | -- | -- | 0.0 | -- | -- | 20 4 |
| C11460.00 01/09/67 1110 | 5050 5002 | 3.45 525.0 | 13.3 | 34 F | 7.2 | 85 | -- | -- | 9.4 .41 | -- | 0.0 | 23 .38 | -- | 2.2 .06 | -- | -- | 0.1 | -- | -- | 18 0 |
| C11460.00 02/13/67 1020 | 5050 5002 | 4.63 1520.0 | 10.2 | 48 F | 7.6 | 54 | -- | -- | 3.5 .15 | -- | 0.0 | 24 .39 | -- | 1.5 .04 | -- | -- | 0.0 | -- | -- | 17 0 |
| C11460.00 03/13/67 1120 | 5050 5002 | -- | -- | -- | 8.2 | 62 | -- | -- | 3.1 .13 | -- | 0.0 | 28 .46 | -- | 2.4 .07 | -- | -- | 0.0 | -- | -- | 20 0 |
| C11460.00 04/10/67 1130 | 5050 5002 | 5.23 2176.0 | 10.2 | 47 F | 7.3 | 64 | -- | -- | 3.7 .14 | -- | 0.0 | 29 .48 | -- | 1.7 .05 | -- | -- | 0.1 | -- | -- | 22 0 |
| C11460.00 05/08/67 1130 | 5050 5002 | 6.36 3656.0 | 10.1 | 52 F | 7.4 | 45 | 5.6 .28 65 | 0.5 .04 9 | 2.2 .10 23 | 0.5 .01 2 | 0.0 | 21 .34 87 | 1.8 .04 10 | 0.0 | 0.4 .01 3 | -- | 0.0 | -- | 22 21 | 16 0 |
| C11460.00 06/12/67 1120 | 5050 5002 | 9.50 10580.0 | 11.0 | 51 F | 7.0 | 21 | -- | -- | 1.2 .05 | -- | 0.0 | 11 .18 | -- | 1.2 .03 | -- | -- | 0.1 | -- | -- | 7 0 |
| C11460.00 07/10/67 1125 | 5050 5002 | 9.90 10050.0 | 10.1 | 56 F | 7.0 | 18 | -- | -- | 1.2 .05 | -- | 0.0 | 7.9 .13 | -- | 1.3 .04 | -- | -- | -- | -- | -- | 8 2 |
| C11460.00 09/11/67 1145 | 5050 5002 | 3.93 940.0 | 10.0 | 63 F | 7.0 | 34 | 3.7 .18 54 | 0.4 .03 10 | 2.0 .09 29 | 0.3 .01 3 | 0.0 | 16 .26 87 | 0.3 .01 3 | 1.1 .03 10 | 0.1 | -- | 0.1 | -- | 30 16 | 10 0 |

TABLE D-2 (cont.)
KINGS RIVER BELOW PEOPLES WEIR
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. Q | DO SAT | TEMP | PH FLD | EC FLD | MINERAL CONSTITUENTS IN | | | | MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | TDS SUM | TH NCH |
|------------------------------------|-----------|-----------|------|------------|-----------|-------------------------|------------------|------------------|-----------------|---|-----------------|------------------|------------------|----------------------|----|-----|------|------------|-----------|
| | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | N03 | F | B | SI02 | | |
| C01140.00 10/10/66 5050 1345 | 3.13 | 9.3 | 71 F | 7.7 7.2 | 69 | -- | -- | 3.6 .16 | -- | 0.0 | 36 .59 | -- | 2.0 .06 | -- | -- | 0.0 | -- | -- | 28 0 |
| C01140.00 11/14/66 5050 1455 | 2.47 | 10.0 | 59 F | 7.9 7.4 | 163 | 16 .80 | 4.4 .36 | 1.0 .44 | -- | 0.0 | 80 1.31 | -- | 5.9 .17 | -- | -- | 0.0 | -- | -- | 58 0 |
| C01140.00 12/12/66 5050 1215 | | 10.6 | 52 F | 7.4 7.3 | 208 | -- | -- | 12 .52 | -- | 0.0 | 79 1.30 | -- | 8.2 .23 | -- | -- | 0.1 | -- | -- | 69 4 |
| C01140.00 01/09/67 5050 1425 | 2.50 | 12.5 | 46 F | 7.8 7.6 | 191 | -- | -- | 9.4 .43 | -- | 0.0 | 89 1.46 | -- | 5.9 .17 | -- | -- | 0.0 | -- | -- | 80 7 |
| C01140.00 02/20/67 5050 1100 | | 11.6 | 50 F | 8.1 7.2 | 64 | -- | -- | 4.0 .17 | -- | 0.0 | 28 .46 | -- | 3.1 .09 | -- | -- | 0.0 | -- | -- | 20 0 |
| C01140.00 03/13/67 5050 1510 | | -- | -- | 8.2 | 68 | -- | -- | 3.6 .16 | -- | 0.0 | 32 .52 | -- | 2.2 .06 | -- | -- | 0.0 | -- | -- | 26 0 |
| C01140.00 04/10/67 5050 1415 | 3.28 | 10.0 | 56 F | 7.6 7.4 | 119 | -- | -- | 6.2 .27 | -- | 0.0 | 56 .92 | -- | 3.8 .11 | -- | -- | 0.0 | -- | -- | 45 0 |
| C01140.00 05/08/67 5050 1200 | 13.43 | 12.7 | 54 F | 7.5 7.2 | 56 | 6.4 .32 64 | 0.7 .06 12 | 2.2 .10 20 | 0.9 .02 4 | 0.0 | 26 .43 80 | 3.0 .06 11 | 0.6 .02 4 | 2.0 .03 5 | -- | 0.0 | -- | -- | 19 0 |
| C01140.00 06/12/67 5050 1310 | 11.98 | 10.4 | -- | 7.0 7.3 | 54 | -- | -- | 2.5 .11 | -- | 0.0 | 24 .39 | -- | 1.9 .05 | -- | -- | 0.1 | -- | -- | 20 1 |
| C01140.00 07/10/67 5050 1400 | 12.65 | 9.4 | 65 F | 6.7 7.3 | 27 | -- | -- | 1.2 .05 | -- | 0.0 | 11 .18 | -- | 1.2 .03 | -- | -- | -- | -- | -- | 8 0 |
| C01140.00 09/15/67 5050 1405 | 6.98 | 10.4 | 62 F | 6.7 7.0 | 43 | 4.0 .20 49 | 1.0 .08 20 | 2.5 .11 27 | 0.9 .02 5 | 0.0 | 20 .33 77 | 2.1 .04 9 | 1.6 .05 12 | 0.6 .01 2 | -- | 0.1 | -- | 34 23 | 14 0 |

TABLE D-2 (cont.)
KINGS RIVER BELOW PINE FLAT DAM
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. O | DO SAT | TEMP | P4 LAR FLD | EC LAR FLD | MINERAL CONSTITUENTS IN | | | | MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | TDS SUM | TH NCH |
|--------------------------------|----------------|-----------|------|------------------|------------------|-------------------------|------------------|------------------|-----------------|---|-----------------|-----------------|------------|----------------------|----|-----|------|---------------|-----------|
| | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | R | SI02 | | |
| C11140.00 10/10/66 1350 | 2.67 451.0 | 9.5 | 70 F | 6.9 | 40 | 2.9 .14 42 | 1.0 .08 24 | 2.0 .09 27 | 0.7 .02 6 | 0.0 | 14 .23 92 | 0.0 0.1 | 0.1 | 1.2 .02 8 | -- | 0.1 | -- | 31 15 | 11 0 |
| C11140.00 11/14/66 1335 | .48 72.0 | 10.1 | 62 F | 7.2 | 35 | -- | -- | 1.9 .04 | -- | 0.0 | 15 .25 | -- | 0.0 | -- | -- | 0.1 | -- | -- 15 3 | |
| C11140.00 12/12/66 1325 | .92 72.0 | 10.1 | 50 F | 7.0 | 50 | -- | -- | 2.7 .12 | -- | 0.0 | 22 .36 | -- | 0.3 .01 | -- | -- | 0.0 | -- | -- 21 3 | |
| C11140.00 01/09/67 1310 | 1.45 213.0 | 12.5 | 34 F | 7.2 | 39 | -- | -- | 1.3 .04 | -- | 0.0 | 18 .30 | -- | 1.6 .05 | -- | -- | 0.1 | -- | -- 15 0 | |
| C11140.00 02/13/67 1320 | 1.38 145.0 | 10.3 | 52 F | 7.5 | 39 | -- | -- | 2.2 .10 | -- | 0.0 | 18 .30 | -- | 1.3 .04 | -- | -- | 0.0 | -- | -- 14 0 | |
| C11140.00 03/13/67 1340 | -- | -- | -- | 8.5 | 50 | -- | -- | 2.3 .10 | -- | 2.0 .07 | 17 .28 | -- | 1.4 .04 | -- | -- | 0.0 | -- | -- 15 0 | |
| C11140.00 04/10/67 1400 | 3.15 650.0 | 10.2 | 47 F | 7.6 | 48 | -- | -- | 2.6 .11 | -- | 0.0 | 20 .33 | -- | 1.4 .04 | -- | -- | 0.0 | -- | -- 18 2 | |
| C11140.00 05/08/67 1330 | 7.79 779.7 | 10.2 | 49 F | 7.6 | 48 | 7.4 .37 77 | 0.0 | 2.0 .04 19 | 0.6 .02 4 | 0.0 | 23 .38 88 | 1.8 .04 9 | 0.0 | 0.8 .01 2 | -- | 0.0 | -- | 29 24 0 | 16 0 |
| C11140.00 06/12/67 0830 | 9.27 9120.0 | 10.1 | 49 F | 7.3 7.3 | 47 | -- | -- | 2.4 .10 | -- | 0.0 | 22 .36 | -- | 1.6 .05 | -- | -- | 0.1 | -- | -- 17 0 | |
| C11140.00 07/10/67 1305 | 3.50 9405.0 | 10.1 | 50 F | 6.9 | 20 | -- | -- | 1.4 .06 | -- | 0.0 | 9.2 .15 | -- | 1.2 .03 | -- | -- | -- | -- | -- 8 1 | |
| C11140.00 09/11/67 0930 | 5.99 3732.0 | 10.1 | 53 F | 6.9 | 26 | 2.7 .13 50 | 0.5 .04 15 | 1.6 .07 27 | 0.6 .02 8 | 0.0 | 12 .20 87 | 0.0 .02 9 | 0.8 | 0.5 .01 4 | -- | 0.1 | -- | 30 13 | 8 1 |

TABLE D-2 (cont.)
MERCED RIVER ABOVE LAKE MCCLURE
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. O | NO SAT | TEMP F | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | | TDS SUM | TH NCH |
|--------------------------------|-----------|-----------|-----------|------------------|------------------|-------------------------|-----------------|------------------|-----------------|---|-----------------|-----------------|-----------------|-----|----------------------|-----|------|----------|---------|------------|-----------|
| | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | B | SI02 | | | | |
| R51400.00 01/06/47 1405 | 4.35 | 13.3 | 38 F | 7.0 7.0 | 41 | -- | -- | 2.0 .09 | -- | 0.0 | 18 .30 | -- | 2.6 .07 | -- | -- | 0.0 | -- | -- | -- | 15 0 | |
| R51400.00 05/05/47 1300 | 6.45 | 11.2 | 49 F | 7.3 | 46 | 5.4 .27 69 | 0.4 .03 8 | 1.8 .08 21 | 0.2 .01 3 | 0.0 | 20 .33 89 | 1.6 .03 8 | 0.5 .01 3 | 0.3 | -- | 0.0 | -- | 23 20 | 15 0 | | |

TABLE D-2 (cont.)

MERCED RIVER NEAR STEVINSON

MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. Q | O ₂ SAT | TEMP F | PH LAB FLD | FC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | TDS SUM | TH NCH |
|--------------------------------|-----------|-----------------------|-----------|------------------|------------------|-------------------------|------------|-----------|----------|---|------------------|-----------------|-----------|----------------------|----|-----|------|------------|-----------|
| | | | | | | CA | MG | NA | K | CO ₃ | HCO ₃ | SO ₄ | CL | N03 | F | H | SI02 | | |
| R05125.00 05/03/67 0900 | 66.74 | 10.3 | 52 F | 7.5 | 70 | 9.3 | 5.0 | 3.0 | 0.6 | 0.0 | 32 | 3.1 | 1.1 | 0.8 | -- | 0.0 | -- | 34 | 27 |
| | | | | | | .46 45 | .41 40 | .13 13 | .02 2 | | .52 84 | .06 10 | .03 5 | .01 2 | | | | 39 | 1 |
| R05125.00 09/11/67 0830 | 58.26 | 9.6 | 68 F | 7.3 7.6 | 142 130 | 10 | 3.7 | 13 | 1.3 | 0.0 | 63 | 4.1 | 7.0 | 2.3 | -- | 0.0 | -- | 99 | 40 |
| | | | | | | .50 12 | 3.04 73 | .57 14 | .03 1 | | 1.03 76 | .09 7 | .20 15 | .04 3 | | | | 106 | 0 |

TABLE D-2 (cont.)

SALT SLOUGH AT SAN LUIS RANCH

MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. Q | O ₂ SAT | TEMP F | PH LAR FID | EC LAR FID | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUF | | | | | MILLIGRAMS PER LITER | | | | | TDS SUM | TH NCH |
|--------------------------------|-----------|-----------------------|-----------|------------------|------------------|-------------------------|------------------|--------------------|----------------|---|-------------------|--------------------|-------------------|-----------------|----------------------|-----|------------------|--------------|------------|------------|-----------|
| | | | | | | CA | MG | NA | K | CO ₃ | HCO ₃ | SO ₄ | CL | NO ₃ | F | R | SI0 ₂ | | | | |
| R00475.00 01/03/67 1240 | 3.91 | 11.5 | 43 F | 7.9 7.6 | 2900 | -- | -- | 389 16.92 | -- | 0.0 | 254 4.17 | -- | 381 10.74 | -- | -- | 3.6 | -- | -- | -- | 597 389 | |
| R00475.00 05/03/67 0720 | 4.60 | 7.8 | 60 F | 8.0 | 2310 | 110 5.49 24 | 48 3.95 17 | 300 13.05 53 | 4.2 .11 | 0.0 | 163 2.67 11 | 523 10.88 47 | 339 9.56 41 | 7.9 .13 1 | -- | 3.1 | -- | 1530 1415 | 474 341 | | |
| R00475.00 09/11/67 0715 | 3.72 | 4.9 | 68 F | 7.4 7.3 | 1340 1150 | 59 2.94 23 | 30 2.47 19 | 162 7.05 55 | 14 .36 3 | 0.0 | 175 2.87 23 | 169 3.52 28 | 214 6.03 48 | 12 .19 2 | -- | 0.9 | -- | 767 747 | 271 128 | | |

TABLE D-2 (cont.)

SAN JOAQUIN RIVER AT CROWS LANDING BRIDGE
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. 0 | DJ SAT | TEMP | PH FLD | EC FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | F | B | SI02 | MILLIGRAMS PER LITER TDS SUM | |
|--------------------------------|-----------|-----------|------|------------|------------|-------------------------|------------------|------------------|-----------------|---|-------------------|------------------|-------------------|-----------------|-----|------|------------------------------------|------------|
| | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | | | | | |
| R07250.00 10/06/66 1305 | 37.78 | | 72 F | 7.9 8.2 | 1590 | -- | -- | 183 7.96 | -- | 0.0 | 223 3.66 | -- | 275 7.76 | -- | 0.5 | -- | -- | 301 118 |
| R07250.00 11/10/66 1350 | 38.11 | 10.8 | 59 F | 8.2 8.1 | 1520 | -- | -- | 194 8.61 | -- | 0.0 | 235 3.85 | -- | 250 7.05 | -- | 1.0 | -- | -- | 301 109 |
| R07250.00 12/06/66 1005 | 39.16 | 9.5 | 53 F | 7.6 7.7 | 1430 | -- | -- | 183 7.96 | -- | 0.0 | 214 3.51 | -- | 212 5.98 | -- | 1.1 | -- | -- | 268 93 |
| R07250.00 01/03/67 1355 | 38.87 | 9.7 | 45 F | 8.0 7.9 | 2150 | -- | -- | 270 11.74 | -- | -- | -- | -- | 334 9.42 | -- | 1.9 | -- | -- | 437 437 |
| R07250.00 02/02/67 1410 | 45.35 | 8.9 | 54 F | 7.9 7.6 | 496 | -- | -- | 58 2.52 | -- | 0.0 | 93 1.53 | -- | 60 1.69 | -- | 0.4 | -- | -- | 100 24 |
| R07250.00 03/02/67 1340 | 39.19 | 10.1 | 62 F | 8.1 8.1 | 2130 | -- | -- | 286 12.44 | -- | 0.0 | 219 3.59 | -- | 340 9.59 | -- | 1.4 | -- | -- | 419 240 |
| R07250.00 04/04/67 1110 | 41.30 | 9.6 | 55 F | 8.1 7.7 | 752 | -- | -- | 86 3.74 | -- | 0.0 | 120 1.97 | -- | 92 2.59 | -- | 0.4 | -- | -- | 150 52 |
| R07250.00 05/04/67 1345 | 56.03 | 6.8 | 67 F | 7.8 | 191 | 15 .75 43 | 3.0 .25 14 | 16 .70 40 | 1.3 .03 2 | 0.0 | 56 .92 53 | 15 .31 18 | 17 .48 28 | 1.4 .02 1 | 0.1 | -- | 128 96 | 50 4 |
| R07250.00 06/06/67 1015 | 54.56 | 3.0 | -- | 7.1 7.1 | 114 | -- | -- | 7.4 .32 | -- | 0.0 | 39 .64 | -- | 7.2 .20 | -- | 0.2 | -- | -- | 32 0 |
| R07250.00 07/06/67 1100 | 52.00 | 7.5 | 73 F | 6.5 7.3 | 101 | -- | -- | 64 2.96 2 | -- | 0.0 | 30 .49 | -- | 8.7 .25 | -- | 0.1 | -- | -- | 26 2 |
| R07250.00 09/11/67 0900 | 41.01 | 8.2 | 71 F | 7.7 8.2 | 748 650 | 33 1.65 24 | 15 1.23 18 | 89 3.87 57 | 3.3 .08 1 | 0.0 | 120 1.97 29 | 80 1.66 25 | 109 3.07 46 | 1.7 .03 | 0.3 | -- | 408 390 | 166 48 |

TABLE D-2 (cont.)
 SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE
 MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. % | O ₂ SAT | TEMP F | PH LAB FLD | FC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUF | | | | | MILLIGRAMS PER LITER | | | | TDS SUM | TH NCH |
|--------------------------------|-----------|-----------------------|-----------|------------------|------------------|-------------------------|------------------|------------------|-----------------|---|-------------------|------------------|-------------------|-----------------|----------------------|-----|------------------|----|------------|-----------|
| | | | | | | CA | MG | NA | K | CO ₃ | HCO ₃ | SO ₄ | CL | NO ₃ | F | H | SiO ₂ | | | |
| R07375.00 05/03/67 0810 | 66.38 | 9.0 | 57 F | 7.3 | 109 | 12 .60 58 | 1.7 .14 13 | 6.4 .28 27 | 0.9 .02 2 | 0.0 | 50 .82 80 | 3.3 .07 7 | 3.8 .11 11 | 1.5 .02 2 | -- | 0.0 | -- | -- | 97 54 | 37 0 |
| R07375.00 09/11/67 0800 | 56.37 | 1.1 | 72 F | 7.4 8.2 | 850 750 | 34 1.90 24 | 19 1.56 20 | 99 4.31 55 | 4.4 .11 1 | 0.0 | 139 2.28 30 | 69 1.44 19 | 139 3.92 51 | 1.2 .02 | -- | 0.2 | -- | -- | 458 438 | 173 59 |

TABLE D-2 (cont.)
SAN JOAQUIN RIVER AT FRIANT DAM
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. O | DO SAT | TEMP | PH LAB FID | EC LAB FID | MINERAL CONSTITUENTS IN | | | | MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUF | | | | | MILLIGRAMS PER LITER | | | | | MILLIGRAMS PER LITER | | | | | TDS SUM | TH NCH |
|--------------------------------|-----------|-----------|------|------------------|------------------|-------------------------|------------------|------------------|-----------------|---|-----------------|-----|------------------|------------------|----------------------|-----|------|----|----|----------------------|----|----------|---------|--|------------|-----------|
| | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | R | SI02 | | | | | | | | | |
| R07885.00 01/09/67 1530 | 1.39 | 11.0 | 52 F | 6.4 6.8 | 52 | -- | -- | 3.4 .15 | -- | 0.0 | 20 .33 | -- | 2.4 .07 | -- | -- | 0.0 | -- | -- | -- | -- | -- | -- | 15 0 | | | |
| R07885.00 05/03/67 1325 | 9.58 | 13.0 | 49 F | 7.2 7.6 | 49 | 5.0 .25 56 | 0.4 .03 7 | 3.4 .16 36 | 0.5 .01 2 | 0.0 | 22 .36 86 | 0.0 | 1.4 .04 10 | 1.0 .02 5 | -- | 0.0 | -- | -- | -- | -- | -- | 24 23 | 14 0 | | | |
| R07885.00 09/12/67 0935 | 2.24 | 11.8 | 57 F | 6.7 7.0 | 33 | 2.2 .11 50 | 0.4 .03 14 | 1.7 .07 32 | 0.4 .01 5 | 0.0 | 10 .16 76 | 0.0 | 1.0 .03 14 | 1.0 .02 10 | -- | 0.0 | -- | -- | -- | -- | -- | 16 12 | 7 0 | | | |

TABLE D-2 (cont.)

SAN JOAQUIN RIVER NEAR GRAYSON
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER | | | G.M. Q | DO SAT | TEMP | PH | | EC | | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | | MILLIGRAMS PER LITER | | | | TDS SUM | TH NCH |
|----------------|---------------|-----|-----------|-----------|------|-----|------|------|------|-------------------------|-----|------|------|---|------|----|-----|----|-----|----------------------|-----|--|--|------------|-----------|
| DATE TIME | LAT SAMPLE | LAR | | | | FID | LAR | FID | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | B | SI02 | | | | | |
| R070R0.00 | | | | | 69 F | 7.7 | 1470 | -- | -- | 170 | -- | 0.0 | 217 | -- | 254 | -- | 0.4 | -- | -- | -- | 313 | | | | |
| 10/05/66 | 5050 | | | | | 8.1 | | | | 7.40 | | | 3.56 | | 7.16 | | | | | 135 | | | | | |
| R070R0.00 | | | | | 58 F | 8.1 | 1540 | -- | -- | 190 | -- | 0.0 | 244 | -- | 246 | -- | 0.9 | -- | -- | -- | 315 | | | | |
| 11/10/66 | 5050 | | | | | 7.6 | 1500 | | | 8.27 | | | 4.00 | | 6.94 | | | | | 115 | | | | | |
| R070R0.00 | | | | | 53 F | 7.7 | 1440 | -- | -- | 190 | -- | 0.0 | 222 | -- | 205 | -- | 1.0 | -- | -- | -- | 284 | | | | |
| 12/06/66 | 5050 | | | | | 7.6 | | | | 9.27 | | | 3.64 | | 5.78 | | | | | 102 | | | | | |
| R070R0.00 | | | | | 46 F | 8.1 | 2030 | -- | -- | 265 | -- | 0.0 | 252 | -- | 316 | -- | 1.7 | -- | -- | -- | 424 | | | | |
| 01/03/67 | 5050 | | | | | 7.6 | | | | 11.53 | | | 4.13 | | 8.91 | | | | | 218 | | | | | |
| R070R0.00 | | | | | 54 F | 7.9 | 390 | -- | -- | 42 | -- | 0.0 | 96 | -- | 37 | -- | 0.4 | -- | -- | -- | 85 | | | | |
| 02/02/67 | 5050 | | | | | 7.5 | | | | 1.83 | | | 1.57 | | 1.04 | | | | | 7 | | | | | |
| R070R0.00 | | | | | 60 F | 8.2 | 1960 | -- | -- | 254 | -- | 0.0 | 233 | -- | 298 | -- | 1.3 | -- | -- | -- | 405 | | | | |
| 03/02/67 | 5050 | | | | | 7.9 | | | | 11.14 | | | 3.82 | | 8.40 | | | | | 214 | | | | | |
| R070R0.00 | | | | | 56 F | 8.3 | 906 | -- | -- | 103 | -- | 0.0 | 145 | -- | 122 | -- | 0.5 | -- | -- | -- | 192 | | | | |
| 04/04/67 | 5050 | | | | | 7.6 | | | | 4.43 | | | 2.38 | | 3.44 | | | | | 73 | | | | | |
| R070R0.00 | | | | | 64 F | 7.5 | 192 | 16 | 2.2 | 15 | 1.4 | 0.0 | 58 | 14 | 14 | -- | 0.1 | -- | -- | 129 | 49 | | | | |
| 05/04/67 | 5050 | | | | | | .40 | .18 | .65 | .04 | .29 | .95 | .39 | .29 | .39 | -- | | -- | 93 | 2 | | | | | |
| 1135 | 5050 | | | | | | 48 | 11 | 34 | 2 | 57 | 17 | 23 | 17 | 23 | | | | | | | | | | |
| R070R0.00 | | | | | -- | 7.1 | 141 | -- | -- | 12 | -- | 0.0 | 43 | -- | 12 | -- | 0.1 | -- | -- | -- | 40 | | | | |
| 06/06/67 | 5050 | | | | | 7.1 | | | | .52 | | | .71 | | .34 | | | | | 5 | | | | | |
| R070R0.00 | | | | | 74 F | 6.3 | 120 | -- | -- | 8.6 | -- | 0.0 | 34 | -- | 11 | -- | 0.1 | -- | -- | -- | 32 | | | | |
| 07/06/67 | 5050 | | | | | 7.1 | | | | .37 | | | .56 | | .31 | | | | | 4 | | | | | |
| R070R0.00 | | | | | 72 F | 7.7 | 143 | 34 | 22 | 94 | 4.0 | 0.0 | 156 | 88 | 120 | -- | 0.2 | -- | -- | 468 | 185 | | | | |
| 09/11/67 | 5050 | | | | | 8.4 | 760 | 1.90 | 1.81 | 4.14 | .10 | 2.56 | 1.83 | 3.38 | .10 | | | | 451 | 57 | | | | | |
| 1000 | 5050 | | | | | | | 24 | 23 | 52 | 1 | 33 | 23 | 43 | 1 | | | | | | | | | | |

TABLE D-2 (cont.)
SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE
MINERAL ANALYSES OF SURFACE WATER

| STATION DATE TIME | NUMBER LAH SAMPLER | G.H. Q | DO SAT | TEMP | PH LAH FLD | EC LAH FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUF | | | | | MILLIGRAMS PER LITER | | | | TDS SUM | TH NCH |
|-------------------------------|--------------------------|-----------|-----------|------|------------------|------------------|-------------------------|------------|------------|----------|---|------------|------------|------------|----------|----------------------|-----|------|-----|------------|-----------|
| | | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | H | SI02 | | | |
| R07040.00 06/06/67 1220 | 5050 5050 | 30.61 | 7.9 | -- | 7.8 7.1 | 138 | 10 | 3.2 | 10 | 1.6 | 0.0 | 41 | 6.2 | 14 | 1.3 | -- | 0.0 | -- | 110 | 38 | |
| | | | | | | | .50 40 | .26 21 | .44 35 | .04 3 | | .67 55 | .13 11 | .39 32 | .02 2 | | | | 66 | 5 | |
| R07040.00 09/11/67 1320 | 5050 5050 | | 9.1 | 73 F | 7.2 | 419 700 | 39 | 19 | 94 | 4.7 | 0.0 | 154 | 67 | 126 | 3.5 | -- | 0.4 | -- | 453 | 176 | |
| | | | | | | | 1.95 25 | 1.56 20 | 4.09 53 | .12 2 | | 2.53 34 | 1.39 18 | 3.55 47 | .06 1 | | | | 429 | 90 | |

TABLE D-2 (cont.)
SAN JOAQUIN RIVER NEAR MENDOTA
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. O | DO SAT | TEMP | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | | MILLIGRAMS PER LITER | | | | TH NCH |
|------------------------------------|-----------|-----------|------|------------------|------------------|-------------------------|------------------|------------------|-----------------|---|-------------------|------------------|------------------|------------|----|----------------------|------|------------|------------|-----------|
| | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | B | SI02 | TDS SUM | | |
| R07710.00 01/10/67 5050 1510 | 2.76 | 15.2 | 50 F | 7.8 8.4 | 1150 | -- | -- | 135 5.87 | -- | 0.0 | 120 1.97 | -- | 146 4.12 | -- | -- | 0.8 | -- | -- | 230 132 | |
| R07710.00 05/08/67 5050 0925 | 11.57 | 9.2 | 63 F | 7.8 7.2 | 62 | 6.6 .33 56 | 0.8 .07 12 | 3.6 .16 27 | 1.0 .03 5 | 0.0 | 29 .48 87 | 1.0 .02 4 | 1.8 .05 9 | -- | -- | 0.8 | -- | 32 30 | 20 0 | |
| R07710.00 09/14/67 5050 1330 | 4.10 | 10.6 | 78 F | 7.5 8.2 | 567 | 26 1.30 25 | 15 1.23 24 | 59 2.57 50 | 3.2 .08 2 | 0.0 | 106 1.74 34 | 52 1.08 21 | 79 2.23 44 | 1.2 .02 | -- | 0.2 | -- | 306 288 | 127 40 | |

TABLE D-2 (cont.)

SAN JOAQUIN RIVER AT PATTERSON BRIDGE
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | LAT SAMPLED | G.M. Q | DO SAT | TEMP F | PH LAB FLO | EC LAB FLO | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUF | | | | MILLIGRAMS PER LITER | | | | TDS SUM | TH NCH |
|--------------------------------|----------------|-----------|-----------|-----------|------------------|------------------|-------------------------|------------|------------|----------|---|------------------|-----------------|-----------|----------------------|----|-----|------|------------|-----------|
| | | | | | | | CA | MG | NA | K | CO ₃ | HCO ₃ | SO ₄ | CL | NO ₃ | F | R | SI02 | | |
| R07200.00 05/04/67 1245 | 5050 | 65.50 | 5.7 | 65 F | 7.6 | 176 | 15 | 2.8 | 14 | 1.5 | 0.0 | 57 | 14 | 13 | 1.2 | -- | 0.1 | -- | 122 | 49 |
| | 5050 | | | | | | .75 46 | .23 14 | .61 37 | .04 2 | | .93 58 | .29 18 | .37 23 | .02 1 | | | | 90 | 3 |
| R07200.00 09/11/67 0920 | 5050 | | 4.2 | 72 F | 7.6 | 753 | 33 | 18 | 85 | 3.7 | 0.0 | 130 | 80 | 109 | 2.6 | -- | 0.3 | -- | 412 | 156 |
| | 5050 | | | | 8.4 | 650 | 1.65 24 | 1.48 21 | 3.70 53 | .09 1 | 2.13 31 | 1.66 24 | 3.07 44 | .04 1 | | | | | 395 | 50 |

TABLE D-2 (cont.)

SAN JOAQUIN RIVER NEAR VERNALIS
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. O | DO SAT | TEMP | PH | FC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | TDS SUM | TH NCH |
|--------------------------------|-----------------|-----------|------|------------|------------------|-------------------------|------------------|-------------------|-----------------|---|-------------------|------------------|-------------------|-----------------|----------------------|-----|------|-----|------------|-----------|
| | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | B | SI02 | | | |
| R07020.00 10/05/66 1000 | 10.75 | | 68 F | 8.1 7.7 | 1010 | 50 2.50 25 | 24 1.97 20 | 120 5.22 53 | 5.0 .13 1 | 0.0 | 184 3.02 31 | 84 1.75 18 | 178 5.02 51 | 6.6 .11 1 | 0.3 | 0.2 | 26 | -- | 584 | 224 73 |
| R07020.00 11/09/66 1210 | 11.64 | 3.9 | 54 F | 8.2 7.3 | 691 | 34 1.70 26 | 17 1.40 21 | 79 3.44 52 | 2.8 .07 1 | 0.0 | 126 2.07 32 | 59 1.23 19 | 112 3.16 48 | 4.1 .07 1 | 0.1 | 0.2 | 20 | -- | 390 | 155 52 |
| R07020.00 12/07/66 0845 | 13.43 | 9.1 | 52 F | 7.6 7.3 | 475 | 25 1.25 23 | 11 .90 20 | 52 2.26 50 | 4.8 .12 3 | 0.0 | 93 1.53 35 | 50 1.04 24 | 62 1.75 40 | 3.7 .06 1 | 0.1 | 0.2 | 16 | -- | 270 | 108 32 |
| R07020.00 01/04/67 1105 | 13.20 | 10.4 | 45 F | 8.0 7.3 | 733 | 34 1.70 24 | 18 1.48 21 | 84 3.83 54 | 2.2 .06 1 | 0.0 | 115 1.89 27 | 97 2.02 29 | 106 2.99 43 | 3.3 .05 1 | 0.2 | 0.5 | 16 | -- | 422 | 159 65 |
| R07020.00 02/01/67 1125 | 13.31 | 3.9 | 52 F | 7.9 7.2 | 253 | 14 .70 29 | 7.2 .59 24 | 25 1.09 45 | 2.4 .06 2 | 0.0 | 70 1.15 47 | 26 .54 22 | 25 .71 29 | 2.8 .05 2 | 0.1 | 0.1 | 14 | -- | 151 | 64 7 |
| R07020.00 03/02/67 1115 | 15.55 | 10.0 | 54 F | 7.5 7.5 | 495 | 24 1.20 25 | 12 .99 21 | 54 2.64 52 | 1.5 .04 1 | 0.0 | 73 1.20 27 | 62 1.29 29 | 70 1.97 44 | 1.8 .03 1 | 0.1 | 0.2 | 14 | -- | 277 | 110 50 |
| R07020.00 04/05/67 0930 | 19.41 | 3.1 | 50 F | 7.7 7.4 | 300 | 17 .85 29 | 7.4 .61 21 | 32 1.39 48 | 1.5 .04 1 | 0.0 | 66 1.08 39 | 29 .60 22 | 38 1.07 38 | 2.5 .04 1 | 0.1 | 0.1 | 14 | -- | 174 | 73 19 |
| R07020.00 05/03/67 1015 | 23.54 | 3.1 | 57 F | 7.6 | 168 | 12 .60 34 | 4.6 .38 24 | 13 .57 36 | 1.9 .05 3 | 0.0 | 58 .95 61 | 12 .25 16 | 12 .34 22 | 1.0 .02 1 | 0.1 | 0.0 | 14 | 126 | 99 | 49 2 |
| R07020.00 06/06/67 1240 | 27.29 | 3.4 | -- | 7.2 7.1 | 124 | 9.4 .47 39 | 3.1 .25 21 | 10 .44 37 | 1.3 .03 3 | 0.0 | 40 .66 58 | 9.0 .19 17 | 9.5 .27 24 | 1.4 .02 2 | 0.1 | 0.0 | 12 | -- | 75 | 36 3 |
| R07020.00 07/25/67 5000 | | | -- | 7.8 | 555 | 25 1.25 24 | 17 1.40 27 | 57 2.44 64 | 2.5 .06 1 | 0.0 | 102 1.67 33 | 53 1.10 22 | 78 2.20 44 | 3.1 .05 1 | 0.1 | 0.1 | 17 | -- | 303 | 132 49 |
| R07020.00 08/09/67 0915 | | 9.4 | 81 F | 8.1 8.0 | 704 | 41 2.05 32 | 16 1.32 20 | 70 3.05 47 | 3.0 .08 1 | 0.0 | 133 2.18 32 | 75 1.56 23 | 104 2.93 44 | 3.8 .06 1 | 0.1 | 0.3 | 19 | -- | 397 | 168 59 |
| R07020.00 09/11/67 5000 | 13.33 1990.0 | 3.4 | 73 F | 8.3 8.4 | 648 625 | 34 1.90 29 | 16 1.32 20 | 72 3.13 49 | 3.8 .10 2 | 2.0 .07 1 | 138 2.26 35 | 55 1.14 17 | 101 2.85 44 | 13 .21 3 | 0.2 | 0.2 | 31 | 376 | 400 | 161 45 |

TABLE D-2 (cont.)

STANISLAUS RIVER AT KOETTITZ

MINERAL ANALYSES OF SURFACE WATER

| STATION DATE TIME | NUMBER LAB SAMPLER | G.H. Q | DO SAT | TEMP F | PH LAB FLO | EC LAB FLO | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | TDS SUM | TH NCH |
|-------------------------------|--------------------------|-----------|-----------|-----------|------------------|------------------|-------------------------|-----------|-----------|----------|---|------------------|-----------------|----------|----------------------|----|-----|------------------|------------|-----------|
| | | | | | | | CA | MG | NA | K | CO ₃ | HCO ₃ | SO ₄ | CL | N03 | F | H | SiO ₂ | | |
| R03115.00 05/04/67 1020 | 5050 5050 | 41.12 | 10.9 | 56 F | 7.7 | 105 | 12 | 2.9 | 3.2 | 0.4 | 0.0 | 53 | 4.1 | 0.9 | 0.4 | -- | 0.0 | -- | 79 | 42 |
| | | | | | | | .60 61 | .24 24 | .14 14 | .01 1 | | .87 87 | .09 9 | .03 3 | .01 1 | | | | 50 | 0 |
| R03115.00 09/11/67 5050 | 5050 5050 | 29.90 | 9.0 | 80 F | 7.5 | 152 130 | 14 | 5.7 | 7.9 | 1.4 | 0.0 | 73 | 7.2 | 3.7 | 2.5 | -- | 0.1 | -- | 96 | 58 |
| | | | | | | | .70 45 | .47 30 | .34 22 | .04 3 | | 1.20 42 | 1.50 53 | .10 4 | .04 1 | | | | 143 | 0 |

TABLE D-2 (cont.)
STANISLAUS RIVER ABOVE MELONES RESERVOIR
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.H. O | DO SAT | TEMP F | PH LAH FLD | EC LAH FLD | MINERAL CONSTITUENTS IN | | | | MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | |
|--------------------------------|--------------|-----------|-----------|------------------|------------------|-------------------------|-----|-----|-----|---|------------------|-----------------|-----|-----------------|----------------------|-----|------------------|------------|-----------|
| | | | | | | CA | MG | NA | K | CO ₃ | HCO ₃ | SO ₄ | CL | NO ₃ | F | B | SI0 ₂ | TDS SUM | TH NCH |
| R31340.50 01/06/67 1040 | 5050 5050 | 12.8 | 42 F | 7.7 7.2 | 56 | -- | -- | 3.2 | -- | 0.0 | 34 | -- | 1.0 | -- | -- | 0.0 | -- | -- | 22 0 |
| | | | | | | | | .14 | | | .56 | | .03 | | | | | | |
| | | | | | | | | | | | 1 | | | | | | | | |
| R31340.50 05/05/67 1015 | 5050 5050 | 11.6 | 44 F | 7.4 | 52 | 6.7 | 0.6 | 1.8 | 0.2 | 0.0 | 27 | 0.9 | 0.0 | 0.4 | -- | 0.0 | -- | 28 24 | 19 0 |
| | | | | | | .33 | .05 | .08 | .01 | | .44 | .02 | | .01 | | | | | |
| | | | | | | 70 | 11 | 17 | 2 | | 94 | 4 | | 2 | | | | | |

TABLE D-2 (cont.)
TULE RIVER NEAR SPRINGVILLE

MINERAL ANALYSES OF SURFACE WATER

| STATION DATE TIME | NUMBER LAB SAMPLER | G.H. Q | DO SAT | TEMP | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER | | | | | | | | | | MILLIGRAMS PER LITER | | |
|-------------------------------|--------------------------|---------------|-----------|------|------------------|------------------|-------------------------|-----|-----|-----|----------------------|------|-----|-----|-----|----|-----|------|------------|-----------|----------------------|--|--|
| | | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | H | SiO2 | TDS SUM | TH NCH | | | |
| C31150.00 10/04/66 0930 | 5050 5002 | 2.40 6.0 | 7.5 | 64 F | 8.1 | 480 | -- | -- | 31 | -- | 0.0 | 272 | -- | 18 | -- | -- | 0.3 | -- | -- | 169 | 0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| C31150.00 11/07/66 1005 | 5050 5002 | 3.05 46.0 | 9.3 | 58 F | 8.2 | 499 | -- | -- | 43 | -- | 0.0 | 274 | -- | 17 | -- | -- | 0.3 | -- | -- | 185 | 0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| C31150.00 12/21/66 0900 | 5050 5002 | 3.58 46.0 | 10.1 | 46 F | 8.1 | 172 | 21 | 3.3 | 8.7 | -- | 0.0 | 90 | -- | 4.2 | -- | -- | 0.0 | -- | -- | 66 | 0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| C31150.00 01/13/67 1110 | 5050 5002 | | -- | -- | 8.0 | 222 | -- | -- | 10 | -- | 0.0 | 127 | -- | 6.3 | -- | -- | 0.0 | -- | -- | 105 | 1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| C31150.00 02/07/67 0855 | 5050 5002 | 3.27 30.2 | 12.2 | 42 F | 8.0 | 168 | -- | -- | 8.5 | -- | 0.0 | 90 | -- | 4.1 | -- | -- | 0.0 | -- | -- | 68 | 0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| C31150.00 03/06/67 0950 | 5050 5002 | 3.04 145.0 | 12.1 | 48 F | 7.4 | 204 | -- | -- | 10 | -- | 0.0 | 114 | -- | 5.0 | -- | -- | 0.0 | -- | -- | 80 | 0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| C31150.00 04/05/67 1010 | 5050 5002 | | 11.4 | 50 F | 7.9 | 147 | -- | -- | 8.7 | -- | 0.0 | 79 | -- | 4.2 | -- | -- | 0.1 | -- | -- | 53 | 0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| C31150.00 05/15/67 0905 | 5050 5002 | 4.30 750.0 | 10.3 | 54 F | 7.7 | 108 | 14 | 1.0 | 5.5 | 0.9 | 0.0 | 57 | 0.2 | 1.6 | 1.3 | -- | 0.0 | -- | 63 | 39 | 0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| C31150.00 06/15/67 1015 | 5050 5002 | 3.86 465.0 | 9.9 | 61 F | 7.4 | 111 | -- | -- | 4.5 | -- | 0.0 | 58 | -- | 2.8 | -- | -- | 0.0 | -- | -- | 41 | 0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| C31150.00 07/31/67 0745 | 5050 5002 | 2.55 93.0 | 7.2 | 66 F | 8.2 | 231 | -- | -- | 11 | -- | 0.0 | 131 | -- | 4.9 | -- | -- | 0.1 | -- | -- | 92 | 0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| C31150.00 08/13/67 5002 | 5050 5002 | 138.0 | 7.7 | 74 F | 8.1 | 278 | -- | -- | 14 | -- | 0.0 | 159 | -- | 6.5 | -- | -- | 0.1 | -- | -- | 113 | 0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| C31150.00 09/03/67 0930 | 5050 5002 | 30.0 | 8.8 | 64 F | 8.3 | 328 | 41 | 6.6 | 14 | 3.2 | 0.0 | 188 | 0.0 | 9.0 | 0.5 | -- | 0.1 | -- | 169 | 129 | 0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

TABLE D-2 (cont.)
TULE RIVER BELOW SUCCESS DAM
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.M. O | O2 SAT | TEMP F | PH LAB FLD | EC LAB FLD | MINERAL | | CONSTITUENTS IN | | | MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | | TDS SUM | TH NCH |
|---|---------------|-----------|-----------|------------------|------------------|------------------|------------------|------------------|-----------------|-------------------|---|-----------------|-----------------|-----------------|----|----------------------|------|----|------------|---------|------------|-----------|
| | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | H | SiO2 | | | | | |
| C03196.00 10/04/66 5050 1025 5002 | 1.30 1.0 | 8.3 | 69 F | 8.5 | 363 | -- | -- | 20 .87 | -- | 4.0 .13 | 212 3.48 | -- | 4.6 .24 | -- | -- | 0.1 | -- | -- | -- | -- | 167 0 | |
| C03196.00 11/07/66 5050 1030 5002 | 1.32 1.9 | 8.2 | 60 F | 8.2 | 402 | -- | -- | 21 .91 | -- | 0.0 3.85 | 235 3.85 | -- | 7.2 .20 | -- | -- | 0.1 | -- | -- | -- | -- | 160 0 | |
| C03196.00 12/21/66 5050 0950 5002 | 6.44 690.0 | 10.7 | 51 F | 6.8 | 122 | 12 .60 | 2.9 .24 | 4.2 .14 | -- | 0.0 .71 | 43 3.71 | -- | 1.2 .03 | -- | -- | 0.0 | -- | -- | -- | -- | 42 7 | |
| C03196.00 01/13/67 5050 1240 5002 | 5.69 417.0 | 11.6 | 50 F | 7.3 | 138 | -- | -- | 5.5 .24 | -- | 0.0 1.16 | 71 1.16 | -- | 2.9 .08 | -- | -- | 0.0 | -- | -- | -- | -- | 58 0 | |
| C03196.00 02/07/67 5050 0920 5002 | 5.80 450.0 | 11.7 | 48 F | 7.8 | 160 | -- | -- | 7.7 .33 | -- | 0.0 1.34 | 82 1.34 | -- | 5.3 .15 | -- | -- | 0.2 | -- | -- | -- | -- | 61 0 | |
| C03196.00 03/04/67 5050 1040 5002 | 6.15 570.0 | 11.7 | 54 F | 7.4 | 180 | -- | -- | 8.4 .37 | -- | 0.0 1.56 | 95 1.56 | -- | 4.6 .13 | -- | -- | 0.1 | -- | -- | -- | -- | 71 0 | |
| C03196.00 04/05/67 5050 1050 5002 | 17.2 | 58 F | 8.5 | 302 | -- | -- | -- | 14 .70 | -- | 4.0 .13 | 163 2.67 | -- | 6.2 .17 | -- | -- | 0.1 | -- | -- | -- | -- | 123 0 | |
| C03196.00 05/15/67 5050 1000 5002 | 6.15 570.0 | 12.2 | 58 F | 7.5 | 164 | 20 1.00 61 | 2.4 .20 12 | 8.9 .39 24 | 2.0 .05 3 | 0.0 1.39 88 | .85 1.39 88 | 3.6 .07 4 | 3.2 .09 6 | 2.1 .03 2 | -- | 0.0 | -- | -- | 133 84 | 60 0 | | |
| C03196.00 06/00/67 5050 5002 | -- | -- | -- | 7.9 | 136 | -- | -- | 7.5 .33 | -- | 0.0 1.15 | 70 1.15 | -- | 3.4 .10 | -- | -- | 0.1 | -- | -- | -- | -- | 49 0 | |
| C03196.00 07/31/67 5050 0915 5002 | 6.27 618.0 | 9.0 | 70 F | 7.3 | 122 | -- | -- | 6.4 .24 | -- | 0.0 1.03 | 63 1.03 | -- | 2.8 .08 | -- | -- | 0.0 | -- | -- | -- | -- | 45 0 | |
| C03196.00 08/13/67 5050 5002 | 590.0 | 8.1 | 72 F | 7.3 | 127 | -- | -- | 6.7 .29 | -- | 0.0 1.12 | 68 1.12 | -- | 2.8 .08 | -- | -- | 0.0 | -- | -- | -- | -- | 51 0 | |
| C03196.00 09/03/67 5050 1000 5002 | 5.01 251.0 | 9.5 | 76 F | 7.6 | 204 | 25 1.25 60 | 4.3 .35 17 | 9.7 .42 20 | 2.9 .07 3 | 0.0 1.85 91 | 113 1.85 91 | 2.0 .04 2 | 4.3 .12 6 | 1.1 .02 1 | -- | 0.0 | -- | -- | 106 105 | 80 0 | | |

TABLE D-2 (cont.)
TUOLUMNE RIVER ABOVE DON PEDRO RESERVOIR
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.M. LAT SAMPLE | DO SAT | TEMP | PH LAR FLD | EC LAR FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | TH NCH |
|--------------------------------|-----------------------|-----------|------|------------------|------------------|-------------------------|------------------|------------------|-----------------|---|-----------------|------------------|-----------------|-----|----------------------|-----|------|------------|-----------|
| | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | B | SI02 | TDS SUM | |
| R41265.50 01/04/47 1210 | 5050 5050 | 13.0 | 44 F | 7.0 6.8 | 30 | -- | -- | 1.0 .04 | -- | 0.0 | 12 .20 | -- | 1.5 .04 | -- | -- | 0.1 | -- | -- | 12 2 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| R41265.50 05/05/47 1125 | 5150 5050 | 11.6 | 51 F | 7.6 | 58 | 7.2 .36 47 | 1.0 .08 15 | 2.0 .04 17 | 0.2 .01 2 | 0.0 | 28 .46 87 | 2.8 .06 11 | 0.3 .01 2 | 0.3 | -- | 0.0 | -- | 26 28 | 22 0 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

TABLE D-2 (cont.)
TUOLUMNE RIVER AT HICKMAN BRIDGE
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | G.M. O | O ₂ SAT | TEMP F | PH LAB FLO | EC LAB FLO | MINERAL CONSTITUENTS IN | | | | MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | TDS SUM | TH NCH |
|--------------------------------|-----------|-----------------------|-----------|------------------|------------------|-------------------------|------------------|-------------------|-----------------|---|------------------|-----------------|-------------------|-----------------|----------------------|-----|------------------|------------|------------|-----------|
| | | | | | | CA | MG | NA | K | CO ₃ | HCO ₃ | SO ₄ | CL | NO ₃ | F | B | SiO ₂ | | | |
| R04150.00 05/05/67 0840 | | 10.9 | 52 F | 7.7 | 109 | 11 .55 57 | 2.1 .17 18 | 5.5 .24 25 | 0.1 | 0.0 | 42 .69 73 | 3.6 .07 7 | 6.5 .18 19 | 0.5 .01 1 | -- | 0.0 | -- | 73 50 | 73 50 | 36 2 |
| R04150.00 09/14/67 0835 | | 9.4 | 73 F | 7.8 7.6 | 555 | 28 1.40 28 | 11 .90 18 | 5.5 2.48 50 | 5.5 .14 3 | 0.0 | 99 1.62 34 | 1.3 .03 1 | 109 3.07 65 | 1.6 .03 1 | -- | 0.2 | -- | 337 262 | 337 262 | 115 34 |

TABLE D-2 (cont.)
TUOLUMNE RIVER AT TUOLUMNE CITY
MINERAL ANALYSES OF SURFACE WATER

| STATION NUMBER DATE TIME | L.A.R SAMPLER | G.H. Q | DO SAT | TEMP | PH | | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | TDS SUM | TH NCH |
|--------------------------------|------------------|-----------|-----------|------|------------|------------|-------------------------|------------------|------------------|-----------------|---|-------------------|-----------------|-------------------|----------------------|----|-----|------|------------|-----------|
| | | | | | LAB FLD | EC FLD | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | N03 | F | B | SI02 | | |
| R04105.00 05/05/67 1105 | 5050 5050 | | 9.9 | 57 F | 7.6 | 144 | 13 .65 49 | 3.0 .25 19 | 9.4 .41 31 | 0.7 .02 2 | 0.0 | 48 .79 61 | 4.8 .10 8 | 14 .39 30 | 1.3 .02 2 | -- | 0.1 | -- | 95 70 | 45 6 |
| R04105.00 09/11/67 1020 | 5050 5050 | 24.90 | 4.5 | 73 F | 7.3 7.6 | 707 650 | 38 1.90 30 | 13 1.07 17 | 74 3.22 50 | 7.3 .19 3 | 0.0 | 141 2.31 37 | 7.4 .15 2 | 129 3.64 58 | 8.6 .14 2 | -- | 0.1 | -- | 402 346 | 149 34 |

TABLE D-3

TRACE MINERAL ANALYSES OF SURFACE WATER

This table presents spectrographic analyses performed by the U. S. Geological Survey laboratory in Sacramento. The following are definitions of chemical symbols and of abbreviations used in this table.

Chemical Symbols

| | | | |
|----|-----------|----|------------|
| AL | Aluminum | GA | Gallium |
| AS | Arsenic | GE | Germanium |
| BE | Beryllium | LI | Lithium |
| BI | Bismuth | MN | Manganese |
| BR | Bromine | MO | Molybdenum |
| CD | Cadmium | NI | Nickel |
| CO | Cobalt | PB | Lead |
| CR | Chromium | TI | Titanium |
| CU | Copper | V | Vanadium |
| FE | Iron | ZN | Zinc |

Abbreviations

| | | | |
|-----|----------------------|---|--------------------------------|
| LAB | Laboratory | U | Micrograms per liter |
| M | Milligrams per liter | Y | Less than the amount indicated |

TABLE 9-3

TRACE MINERAL ANALYSES OF SURFACE WATER

| STATION NO. | DATE | LAB | AL LI | AS MY | BE MO | BI HI | BR FS | CD TI | CO V | CR ZN | CU SR | FE | GA | OE |
|-------------|----------|------|-------------------|-------------------|---------------------|-------------------|----------|--------------------|-------------------|--------------------|-------------------|---------|----------------|---------|
| B00475.00 | 05-03-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B00475.00 | 05-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B00770.00 | 05-08-67 | 5000 | 005.1U | 000.3U 001.4UY | 000.6UY 002.8U | 000.3UY 002.4U | -- | 001.4UY 000.6UY | 001.4UY 002.5U | 001.4UY 005.7U | 001.4UY | 0017.U | 005.7UY | 000.3UY |
| B00770.00 | 05-14-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B03115.00 | 05-04-67 | 5000 | 00.2TU | 000.0 003.3UY | 001.3UY 000.7UY | 000.7UY 0021.U | -- | 003.3UY 001.6U | 003.3UY 001.3U | 003.3UY 0013.UY | -- | -- | 0011.UY0013.UY | 000.6UY |
| B03115.00 | 05-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B04105.00 | 05-05-67 | 5000 | 0015.U | 000.0 003.3UY | 0001.3UY 000.7UY | 000.7UY 008.7U | -- | 003.3UY 001.3UY | 006.7U 001.4U | 003.3UY 0013.UY | 003.3UY | 0019.U | 0013.UY | 000.7UY |
| B04150.00 | 05-05-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B04150.00 | 05-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B04150.00 | 05-14-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B05125.00 | 05-03-67 | 5000 | 0065.UY | 000.0 001.4UY | 000.6UY 000.3UY | 000.3UY 002.3U | -- | 001.4UY 001.5U | 006.3U 001.1U | 001.4UY 005.7UY | 001.4UY | 0034.U | 005.7UY | 000.3UY |
| B05125.00 | 05-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B07020.00 | 10-05-66 | 5000 | 000.1U | -- | -- | -- | -- | -- | -- | -- | 004.0U | -- | -- | -- |
| B07020.00 | 11-04-66 | 5000 | 000.2UY | -- | -- | -- | -- | -- | -- | -- | 002.0U | -- | -- | -- |
| B07020.00 | 12-07-66 | 5000 | 000.2UY | -- | -- | -- | -- | -- | -- | -- | 001.3U | -- | -- | -- |
| B07020.00 | 01-04-67 | 5000 | 000.1U | -- | -- | -- | -- | -- | -- | -- | 003.2U | -- | -- | -- |
| B07020.00 | 02-01-67 | 5000 | 000.1UY | -- | -- | -- | -- | -- | -- | -- | 001.6U | -- | -- | -- |
| B07020.00 | 03-02-67 | 5000 | 000.1UY | -- | -- | -- | -- | -- | -- | -- | 002.0U | -- | -- | -- |
| B07020.00 | 04-01-67 | 5000 | 000.1UY | -- | -- | -- | -- | -- | -- | -- | 002.0U | -- | -- | -- |
| B07020.00 | 05-03-67 | 5000 | 0103.U 000.1UY | 000.0 001.4UY | 000.6UY 000.3UY | 000.3UY 002.6U | -- | 001.4UY 003.1U | 001.4UY 004.0U | 001.4UY 005.7UY | 001.4UY 001.1U | 001.4UY | 005.7UY | 000.3UY |
| B07020.00 | 06-06-67 | 5000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B07020.00 | 07-25-67 | 5000 | 000.1UY | -- | -- | -- | -- | -- | -- | -- | 001.0U | -- | -- | -- |
| B07020.00 | 08-03-67 | 5000 | 000.1UY | -- | -- | -- | -- | -- | -- | -- | 002.5U | -- | -- | -- |
| B07020.00 | 05-11-67 | 5000 | 000.1UY | -- | -- | -- | -- | -- | -- | -- | 001.0U | -- | -- | -- |
| B07040.00 | 06-06-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B07040.00 | 04-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

TABLE D-3 (cont.)

TRACE MINERAL ANALYSES OF SURFACE WATER

| STATION NO. | DATE | LAB | AL LT | AS MN | BE MO | BI NI | BR PB | CD TI | CO V | CR ZN | CU SR | FE | GA | GE |
|-------------|----------|------|----------|----------|--------------------|-------------------|----------|-------------------|-------------------|--------------------|----------|---------|---------|---------|
| B07080.00 | 05-04-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B07080.00 | 05-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B07200.00 | 05-04-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B07200.00 | 05-11-67 | 5050 | -- | 000.1U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B07250.00 | 05-04-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B07250.00 | 05-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B07375.00 | 05-03-67 | 5000 | 0263.U | 000.0 | 000.6UY 000.3UY | 000.3UY 002.2U | 001.4UY | 001.4UY 6.0U | 001.4UY 003.4U | 005.7U 005.7UY | 0011.U | 0013.UY | 005.7UY | 000.3UY |
| B07375.00 | 05-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B07710.00 | 05-08-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B07710.00 | 05-14-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B0785.00 | 05-08-67 | 5050 | -- | 000.2U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B0785.00 | 05-12-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B31340.50 | 05-05-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B41265.50 | 05-05-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B51400.00 | 05-05-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B64200.00 | 05-16-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B64200.00 | 05-12-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B67150.00 | 05-17-67 | 5050 | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B67150.00 | 05-12-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B5525.00 | 05-03-67 | 5000 | 0080.U | 000.0 | 000.6UY 000.3UY | 000.3UY 002.7U | 001.4UY | 001.4UY 002.5U | 001.4UY 003.4U | 001.4UY 005.7UY | 001.4UY | 0051.U | 005.7UY | 000.3UY |
| B5525.00 | 05-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C01140.00 | 05-08-67 | 5000 | 0054.U | 000.0 | 000.6UY 001.6U | 000.3UY 001.8U | 001.4UY | 001.4UY 001.1U | 001.4UY 000.5U | 001.4UY 005.7UY | 001.4UY | 0031.U | 005.7U | 000.3UY |
| C01140.00 | 05-15-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C02185.00 | 05-16-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C02185.00 | 05-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C03156.00 | 05-15-67 | 5000 | 0120.U | 000.0 | 001.3UY 000.7UY | 000.7UY 004.1U | 003.3UY | 003.3UY 004.1U | 003.3UY 002.8U | 003.3UY 0013.UY | 003.3UY | 0055.U | 0013.UY | 000.7UY |

TABLE D-3 (cont.)

TRACE MINERAL ANALYSES OF SURFACE WATER

| STATION NO. | DATE | LAB | AL LI | AS MN | BE MO | BI NI | BR PB | CD TI | CO V | CR ZN | CU SR | FE | GA | GE |
|-------------|----------|------|----------|-------------------|------------------|-------------------|----------|-------------------|-------------------|-------------------|----------|--------|---------|--------|
| C03196.00 | 09-03-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C05150.00 | 05-10-67 | 5000 | 0267.U | 000.2U 003.3UY | 001.3U 005.9U | 000.7UY 003.6U | -- | 003.3UY 006.1U | 003.3UY 002.3U | 003.3U 0013.UY | 003.3UY | 0080.U | 0013.UY | 000.7U |
| C05150.00 | 09-26-67 | 5050 | -- | 000.1U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C11140.00 | 05-08-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C11140.00 | 09-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C11320.00 | 05-08-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C11320.00 | 09-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C11460.00 | 05-08-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C11460.00 | 09-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C21250.00 | 09-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C31150.00 | 05-15-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C31150.00 | 09-03-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C51350.00 | 05-11-67 | 5050 | -- | 000.2U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C51350.00 | 07-25-67 | 5050 | -- | 000.1U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C51350.00 | 09- -67 | 5050 | -- | 000.2U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C51500.00 | 05-11-67 | 5050 | -- | 000.2U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C51500.00 | 07-25-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| C51500.00 | 09- -67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

TABLE D-4

MISCELLANEOUS CONSTITUENTS OF SURFACE WATER

Table D-4 presents analyses which do not appear on Tables D-2 and D-3. The definitions of symbols and of abbreviations used in this table are as follows:

| | |
|-----------------|------------------------------|
| DET | Detergents |
| TRB | Turbidity |
| P | Total phosphates |
| PO ₆ | Ortho phosphate |
| POT | Total and organic phosphates |
| M | Milligrams per liter |

TABLE D-4

MISCELLANEOUS CONSTITUENTS OF SURFACE WATER

| STATION NO. | DATE | LAB | TRB | DEI | NH ₄ | NO ₂ | NO ₃ | NUTRIENTS NO | PO ₆ | P | POT |
|-------------|----------|------|--------|--------|-----------------|-----------------|-----------------|-----------------|-----------------|--------|-----|
| B00475.00 | 01-03-67 | 5050 | 0025.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B00475.00 | 05-03-67 | 5050 | 0076.M | 000.0 | -- | -- | -- | -- | -- | 00.73M | -- |
| B00475.00 | 09-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | 001.8M | -- |
| B00770.00 | 10-10-66 | 5050 | 0040.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B00770.00 | 11-16-66 | 5050 | 0025.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B00770.00 | 12-12-66 | 5050 | 0025.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B00770.00 | 01-19-67 | 5050 | 0008.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B00770.00 | 02-20-67 | 5050 | 0030.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B00770.00 | 03-16-67 | 5050 | 0025.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B00770.00 | 04-25-67 | 5050 | 0030.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B00770.00 | 05-08-67 | 5050 | 0004.M | 000.0M | -- | -- | -- | -- | -- | 0001.M | -- |
| B00770.00 | 06-08-67 | 5050 | 0015.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B00770.00 | 09-14-67 | 5050 | -- | 000.0M | -- | -- | -- | -- | -- | 00.35M | -- |
| B03115.00 | 05-04-67 | 5050 | 0009.M | 000.0 | -- | -- | -- | -- | -- | 00.12M | -- |
| B03115.00 | 09-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | 00.22M | -- |
| B04105.00 | 05-05-67 | 5050 | 0005.M | 000.0M | -- | -- | -- | -- | -- | 00.17M | -- |
| B04105.00 | 09-11-67 | 5050 | -- | 000.0M | -- | -- | -- | -- | -- | 001.2M | -- |
| B04115.00 | 05-05-67 | 5050 | 0005.M | 000.0M | -- | -- | -- | -- | -- | 00.04M | -- |
| B04115.00 | 09-14-67 | 5050 | -- | 000.0M | -- | -- | -- | -- | -- | 00.16M | -- |
| B04115.00 | 05-03-67 | 5050 | 0010.M | 000.0M | -- | -- | -- | -- | -- | 00.10M | -- |
| B05125.00 | 09-11-67 | 5050 | -- | 000.0M | -- | -- | -- | -- | -- | 00.19M | -- |
| B05125.00 | 10-05-66 | 5000 | 0010.M | -- | -- | -- | -- | -- | -- | 00.67M | -- |
| B07020.00 | 11-09-66 | 5000 | 0010.M | -- | -- | -- | -- | -- | -- | 00.48M | -- |
| B07320.00 | 12-07-66 | 5000 | 0030.M | -- | -- | -- | -- | -- | -- | 00.84M | -- |
| B07320.00 | 01-04-67 | 5000 | 0010.M | -- | -- | -- | -- | -- | -- | 00.36M | -- |
| B07320.00 | 02-01-67 | 5000 | 0050.M | -- | -- | -- | -- | -- | -- | 00.55M | -- |
| B07020.00 | 03-02-67 | 5000 | 0015.M | -- | -- | -- | -- | -- | -- | 00.21M | -- |
| B07020.00 | 04-05-67 | 5000 | 0025.M | -- | -- | -- | -- | -- | -- | 00.21M | -- |
| B07020.00 | 05-03-67 | 5000 | 0005.M | 000.0 | -- | -- | -- | -- | -- | 00.32M | -- |
| B07020.00 | 06-06-67 | 5000 | 0040.M | -- | -- | -- | -- | -- | -- | 00.30M | -- |
| B07020.00 | 07-25-67 | 5000 | -- | -- | -- | -- | -- | -- | -- | 00.49M | -- |
| B07020.00 | 08-09-67 | 5000 | 0075.M | -- | -- | -- | -- | -- | -- | 00.53M | -- |
| B07020.00 | 09-11-67 | 5000 | 0035.M | -- | -- | -- | -- | -- | -- | 00.36M | -- |
| B07040.00 | 06-06-67 | 5050 | 0055.M | -- | -- | -- | -- | -- | -- | 00.58M | -- |
| B07040.00 | 09-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | 00.63M | -- |
| B07060.00 | 10-05-66 | 5050 | 0020.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B07030.00 | 11-10-66 | 5050 | 0008.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B07060.00 | 12-06-66 | 5050 | 0035.M | -- | -- | -- | -- | -- | -- | -- | -- |

TABLE D-4 (cont.)

| STATION NO. | DATE | LAB | TRB | MISCELLANEOUS CONSTITUENTS OF SURFACE WATER | | | | NUTRIENTS NO | PO6 | P | POT |
|-------------|----------|------|--------|---|-----|-----|-----|--------------|-----|--------|-----|
| | | | | DET | NH4 | NO2 | NO3 | | | | |
| B07080.00 | 01-03-67 | 5050 | 0025.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B07080.00 | 02-02-67 | 5050 | 0110.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B37080.00 | 03-02-67 | 5050 | 0025.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B07080.00 | 04-04-67 | 5050 | 0040.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B07080.00 | 05-04-67 | 5050 | 0015.M | 000.0 | -- | -- | -- | -- | -- | 00.41M | -- |
| B07080.00 | 06-06-67 | 5050 | 0060.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B07080.00 | 05-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | 00.58M | -- |
| B07200.00 | 05-04-67 | 5050 | 0015.M | 000.0 | -- | -- | -- | -- | -- | 00.46M | -- |
| B07200.00 | 05-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | 00.56M | -- |
| B07250.00 | 10-06-66 | 5050 | 0015.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B07250.00 | 11-10-66 | 5050 | 0025.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B07250.00 | 12-06-66 | 5050 | 0055.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B07250.00 | 01-03-67 | 5050 | 0020.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B07250.00 | 02-02-67 | 5050 | 0180.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B07250.00 | 03-02-67 | 5050 | 0025.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B07250.00 | 04-04-67 | 5050 | 0060.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B07250.00 | 05-04-67 | 5050 | 0020.M | 000.0 | -- | -- | -- | -- | -- | 00.41M | -- |
| B07250.00 | 06-06-67 | 5050 | 0070.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B07250.00 | 05-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | 00.54M | -- |
| B07375.00 | 05-03-67 | 5050 | 0072.M | 000.0 | -- | -- | -- | -- | -- | 00.45M | -- |
| B07375.00 | 05-11-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | 00.67M | -- |
| B07710.00 | 01-19-67 | 5050 | 0025.M | 000.0 | -- | -- | -- | -- | -- | -- | -- |
| B07710.00 | 05-08-67 | 5050 | 0040.M | 000.0 | -- | -- | -- | -- | -- | 00.22M | -- |
| B07710.00 | 05-14-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | 00.27M | -- |
| B07885.00 | 01-05-67 | 5050 | 0007.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B07885.00 | 05-08-67 | 5050 | 0005.M | 000.0 | -- | -- | -- | -- | -- | 00.08M | -- |
| B07885.00 | 05-12-67 | 5050 | -- | 000.0 | -- | -- | -- | -- | -- | 00.25M | -- |
| B31340.50 | 01-06-67 | 5050 | 0004.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B31340.50 | 05-05-67 | 5050 | 0005.M | 000.0 | -- | -- | -- | -- | -- | 00.03M | -- |
| B41265.50 | 01-06-67 | 5050 | 0002.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B41265.50 | 05-05-67 | 5050 | 0002.M | 000.0M | -- | -- | -- | -- | -- | 00.02M | -- |
| B51400.00 | 01-06-67 | 5050 | 0001.M | -- | -- | -- | -- | -- | -- | -- | -- |
| B51400.00 | 05-05-67 | 5050 | 0002.M | 000.0M | -- | -- | -- | -- | -- | 00.01M | -- |
| B64200.00 | 05-16-67 | 5050 | 0005.M | 000.0M | -- | -- | -- | -- | -- | 00.10M | -- |
| B64200.00 | 05-12-67 | 5050 | -- | 000.0M | -- | -- | -- | -- | -- | 00.04M | -- |
| B67115.00 | 05-17-67 | 5050 | 0015.M | 000.0M | -- | -- | -- | -- | -- | 00.16M | -- |
| B67115.00 | 06-12-67 | 5050 | -- | 000.0M | -- | -- | -- | -- | -- | 00.06M | -- |

TABLE D-4 (cont.)

| STATION NO. | DATE | LAB | TRB | MISCELLANEOUS CONSTITUENTS OF SURFACE WATER | | | | NUTRIENTS | | | | P | POT |
|-------------|----------|------|--------|---|-----|-----|-----|-----------|----|----|--------|----|-----|
| | | | | DET | NH4 | NO2 | NO3 | NO | | | | | |
| B95925.00 | 10-05-66 | 5050 | 0025.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B95925.00 | 11-10-66 | 5050 | 0020.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B95925.00 | 12-06-66 | 5050 | 0015.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B95924.00 | 01-03-67 | 5050 | 0010.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B95924.00 | 02-02-67 | 5050 | 0040.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B95924.00 | 03-02-67 | 5050 | 0015.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B95924.00 | 04-04-67 | 5050 | 0030.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B95925.00 | 05-03-67 | 5050 | 0030.M | 000.0M | -- | -- | -- | -- | -- | -- | 00.34M | -- | -- |
| B95925.00 | 06-06-67 | 5050 | 0020.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| B95924.00 | 06-11-67 | 5050 | -- | 000.0M | -- | -- | -- | -- | -- | -- | 00.12M | -- | -- |
| 001140.00 | 10-10-65 | 5050 | 0005.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 001140.00 | 11-14-66 | 5050 | 0005.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 001140.00 | 12-12-66 | 5050 | 0025.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 001140.00 | 01-09-67 | 5050 | 0010.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 001140.00 | 02-20-67 | 5050 | 0010.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 001140.00 | 03-13-67 | 5050 | 0015.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 001140.00 | 04-10-67 | 5050 | 0007.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 001140.00 | 05-08-67 | 5050 | 0008.M | 000.0M | -- | -- | -- | -- | -- | -- | 00.15M | -- | -- |
| 001140.00 | 06-12-67 | 5050 | 0005.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 001140.00 | 06-15-67 | 5050 | -- | 000.0M | -- | -- | -- | -- | -- | -- | 00.05M | -- | -- |
| 002185.00 | 10-17-66 | 5050 | 0002.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 002185.00 | 11-17-66 | 5050 | 0002.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 002185.00 | 01-09-67 | 5050 | 0115.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 002185.00 | 02-06-67 | 5050 | 0035.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 002185.00 | 03-09-67 | 5050 | 0001.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 002185.00 | 04-12-67 | 5050 | 0030.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 002185.00 | 05-16-67 | 5050 | 0006.M | 000.0M | -- | -- | -- | -- | -- | -- | 00.06M | -- | -- |
| 002185.00 | 06-15-67 | 5050 | 0002.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 002185.00 | 06-11-67 | 5050 | -- | 000.0M | -- | -- | -- | -- | -- | -- | 00.04M | -- | -- |
| 003196.00 | 10-04-66 | 5050 | 0005.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 003196.00 | 11-07-66 | 5050 | 0001.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 003196.00 | 12-21-66 | 5050 | 0500.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 003196.00 | 01-13-67 | 5050 | 0180.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 003196.00 | 02-07-67 | 5050 | 0090.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 003196.00 | 03-06-67 | 5050 | 0032.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 003196.00 | 04-05-67 | 5050 | 0003.M | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 003196.00 | 05-15-67 | 5050 | 0015.M | 000.0M | -- | -- | -- | -- | -- | -- | 00.12M | -- | -- |

TABLE D-4 (cont.)

| STATION NO. | DATE | LAB | MISCELLANEOUS CONSTITUENTS OF SURFACE WATER | | | | NUTRIENTS NO | P06 | P | POT |
|-------------|----------|------|---|-----|-----|-----|--------------|-----|--------|-----|
| | | | DEF | NH4 | NO2 | NO3 | | | | |
| C03156.00 | 06-20-67 | 5050 | 0005.M | -- | -- | -- | -- | -- | -- | -- |
| C03156.00 | 09-03-67 | 5050 | -- | -- | -- | -- | -- | -- | 00.03M | -- |
| C05150.00 | 10-04-66 | 5050 | 0002.M | -- | -- | -- | -- | -- | -- | -- |
| C05150.00 | 11-22-66 | 5050 | 0004.M | -- | -- | -- | -- | -- | -- | -- |
| C05150.00 | 12-12-66 | 5050 | 0320.M | -- | -- | -- | -- | -- | -- | -- |
| C05150.00 | 01-03-67 | 5050 | 0140.M | -- | -- | -- | -- | -- | -- | -- |
| C05150.00 | 01-31-67 | 5050 | 0130.M | -- | -- | -- | -- | -- | -- | -- |
| C05150.00 | 03-01-67 | 5050 | 0055.M | -- | -- | -- | -- | -- | -- | -- |
| C05150.00 | 04-12-67 | 5050 | 0030.M | -- | -- | -- | -- | -- | -- | -- |
| C05150.00 | 05-10-67 | 5050 | 0055.M | -- | -- | -- | -- | -- | 00.53M | -- |
| C05150.00 | 06-15-67 | 5050 | 0015.M | -- | -- | -- | -- | -- | -- | -- |
| C07150.00 | 09-26-67 | 5050 | -- | -- | -- | -- | -- | -- | 00.12M | -- |
| C11140.00 | 11-14-66 | 5050 | 0002.M | -- | -- | -- | -- | -- | -- | -- |
| C11140.00 | 12-12-66 | 5050 | 0020.M | -- | -- | -- | -- | -- | -- | -- |
| C11140.00 | 01-09-67 | 5050 | 0070.M | -- | -- | -- | -- | -- | -- | -- |
| C11140.00 | 02-13-67 | 5050 | 0005.M | -- | -- | -- | -- | -- | -- | -- |
| C11140.00 | 03-13-67 | 5050 | 0010.M | -- | -- | -- | -- | -- | -- | -- |
| C11140.00 | 04-10-67 | 5050 | 0005.M | -- | -- | -- | -- | -- | -- | -- |
| C11140.00 | 05-08-67 | 5050 | 0003.M | -- | -- | -- | -- | -- | 00.05M | -- |
| C11140.00 | 06-12-67 | 5050 | 0002.M | -- | -- | -- | -- | -- | -- | -- |
| C11140.00 | 06-11-67 | 5050 | -- | -- | -- | -- | -- | -- | 00.03M | -- |
| C1320.00 | 11-14-66 | 5050 | 0001.M | -- | -- | -- | -- | -- | -- | -- |
| C11320.00 | 12-12-66 | 5050 | 0020.M | -- | -- | -- | -- | -- | -- | -- |
| C11320.00 | 01-09-67 | 5050 | 0010.M | -- | -- | -- | -- | -- | -- | -- |
| C11320.00 | 02-13-67 | 5050 | 0008.M | -- | -- | -- | -- | -- | -- | -- |
| C11320.00 | 03-13-67 | 5050 | 0040.M | -- | -- | -- | -- | -- | -- | -- |
| C11320.00 | 04-10-67 | 5050 | 0008.M | -- | -- | -- | -- | -- | -- | -- |
| C11320.00 | 05-08-67 | 5050 | 0010.M | -- | -- | -- | -- | -- | 00.14M | -- |
| C11320.00 | 06-12-67 | 5050 | 0002.M | -- | -- | -- | -- | -- | -- | -- |
| C11320.00 | 09-11-67 | 5050 | -- | -- | -- | -- | -- | -- | 00.15M | -- |
| C11460.00 | 11-14-66 | 5050 | 0001.M | -- | -- | -- | -- | -- | -- | -- |
| C11460.00 | 12-12-66 | 5050 | 0005.M | -- | -- | -- | -- | -- | -- | -- |
| C11460.00 | 01-09-67 | 5050 | 0005.M | -- | -- | -- | -- | -- | -- | -- |
| C11460.00 | 02-13-67 | 5050 | 0005.M | -- | -- | -- | -- | -- | -- | -- |
| C11460.00 | 03-13-67 | 5050 | 0005.M | -- | -- | -- | -- | -- | -- | -- |
| C11460.00 | 04-10-67 | 5050 | 0002.M | -- | -- | -- | -- | -- | -- | -- |
| C11460.00 | 05-08-67 | 5050 | 0004.M | -- | -- | -- | -- | -- | 00.04M | -- |

TABLE D-4 (cont.)

| STATION NO. | DATE | LAB | TRB | MISCELLANEOUS CONSTITUENTS OF SURFACE WATER | | | | NUTRIENTS | | | POT |
|-------------|----------|------|--------|---|-----|-----|-----|-----------|----|--------|-----|
| | | | | DET | NH4 | NO2 | NO3 | NO | P | | |
| C11460.00 | 06-12-67 | 5000 | 0003.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C11460.00 | 09-16-67 | 5050 | -- | 000.0M | -- | -- | -- | -- | -- | 00.03M | -- |
| C21250.00 | 10-17-66 | 5050 | 0001.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C21250.00 | 11-17-66 | 5050 | 0001.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C21250.00 | 01-09-67 | 5050 | 0020.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C21250.00 | 02-06-67 | 5050 | 0005.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C21250.00 | 03-09-67 | 5050 | 0010.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C21250.00 | 04-10-67 | 5050 | 0010.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C21250.00 | 05-16-67 | 5050 | 0006.M | 000.0M | -- | -- | -- | -- | -- | 00.10M | -- |
| C21250.00 | 06-15-67 | 5050 | 0002.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C21250.00 | 09-11-67 | 5050 | -- | -- | -- | -- | -- | -- | -- | 00.00M | -- |
| C31150.00 | 10-04-66 | 5050 | 0005.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C31150.00 | 11-07-66 | 5050 | 0001.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C31150.00 | 12-21-66 | 5050 | 0007.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C31150.00 | 01-13-67 | 5050 | 0005.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C31150.00 | 02-07-67 | 5050 | 0007.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C31150.00 | 03-06-67 | 5050 | 0004.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C31150.00 | 04-05-67 | 5050 | 0035.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C31150.00 | 05-15-67 | 5050 | 0010.M | 000.0M | -- | -- | -- | -- | -- | 00.09M | -- |
| C31150.00 | 06-15-67 | 5050 | 0002.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C31150.00 | 09-03-67 | 5050 | -- | 000.0M | -- | -- | -- | -- | -- | 00.14M | -- |
| C51350.00 | 10-03-66 | 5050 | 0004.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C51350.00 | 01-04-67 | 5050 | 0400.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C51350.00 | 05-11-67 | 5050 | 0025.M | 000.0M | -- | -- | -- | -- | -- | 00.25M | -- |
| C51350.00 | 07-25-67 | 5050 | 0005.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C51350.00 | 09- -67 | 5050 | -- | 000.0M | -- | -- | -- | -- | -- | 00.11M | -- |
| C51500.00 | 01-04-67 | 5050 | 0015.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C51500.00 | 05-11-67 | 5050 | 0030.M | 000.0M | -- | -- | -- | -- | -- | 00.21M | -- |
| C51500.00 | 07-25-67 | 5050 | 0002.M | -- | -- | -- | -- | -- | -- | -- | -- |
| C51500.00 | 09- -67 | 5050 | -- | 000.0M | -- | -- | -- | -- | -- | 00.04M | -- |

APPENDIX E
GROUND WATER QUALITY

INTRODUCTION

Appendix E summarizes the ground water quality data for the San Joaquin Valley for the 1967 water year (October 1, 1966 through September 30, 1967). These data were obtained from analyses of water samples from approximately 300 wells.

Laboratory analyses of ground water samples reported herein were performed in accordance with the 12th Edition of "Standard Methods for the Examination of Water and Waste Water".

A complete description of the State Well Numbering System, used in this report to indicate the location of the wells sampled, is contained in Appendix C, "Ground Water Data", page 157.

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

This table presents data resulting from the collection and analysis of ground water by various laboratories and agencies cooperating with this program. The code numbers listed below will identify these program cooperators as they appear in this tabulation.

| | |
|--|------------------------------------|
| 5000 U. S. Geological Survey Laboratory | 5207 City of Firebaugh |
| 5050 State Department of Water Resources | 5521 Modesto Irrigation District |
| 5055 State Water Quality Control Board | 5702 Individual Property Owner |
| 5060 State Department of Public Health | 5703 Valley Waste Disposal Company |
| 5070 State Division of Forestry | 5802 Twining Laboratory |
| 5121 Kern County Water Agency | 5803 Hornkohl Laboratory |
| 5203 City of Modesto | 5806 B. C. Laboratory |

The following are definitions and chemical symbols used in this table.

Chemical Symbols

| | |
|--------------|------------------|
| K Potassium | B Boron |
| MG Magnesium | CA Calcium |
| NA Sodium | CL Chloride |
| N03 Nitrate | C03 Carbonate |
| SI02 Silica | F Fluoride |
| S04 Sulfate | HC03 Bicarbonate |

Abbreviations

| | |
|----------------------------|----------------------------|
| EC Electrical Conductance | TDS Total Dissolved Solids |
| FLD Field Determination | TEMP Temperature |
| LAB Laboratory | TH Total Hardness |
| NCH Non Carbonate Hardness | |

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE LAH TIME SAMPLER | TEMP | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | |
|---|--------------|------------------|------------------|-------------------------|-------------------|-------------------|-----------------|---|-------------------|-----------------|--------------------|-----------------|----------------------|-----|------|--------------|-------------|
| | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | B | SI02 | TDS SUM | TH NCH |
| 035/09F-20001 M 10/24/66 5050 1550 | -- | 8.5 | 380 | 33 1.65 44 | 12 .99 27 | 23 1.00 27 | 2.6 .07 2 | 5.0 .17 5 | 163 2.67 72 | 7.9 .16 4 | 14 .39 11 | 20 .32 9 | -- | 0.0 | -- | 259 197 | 134 0 |
| 035/09F-24002 M 05/02/67 5050 1000 | 68.0F 7.5 | 8.3 7.5 | 413 380 | 37 1.85 | 12 .99 | 24 1.04 | -- | 0.0 2.98 | 182 2.98 | -- | 22 .62 | 14 .23 | -- | -- | -- | -- 0 | 143 0 |
| 045/06F-08L02 M 03/28/67 5050 1715 | -- | 7.3 | 658 620 | 50 2.50 | 20 1.64 | 50 2.19 | -- | 0.0 3.39 | 207 3.39 | -- | 22 .62 | -- | -- | 0.8 | -- | -- 38 | 207 38 |
| 045/06F-26801 M 03/31/67 5050 1000 | -- | 7.5 | 791 785 | 34 1.70 | 18 1.48 | 91 3.96 | -- | 0.0 3.08 | 188 3.08 | -- | 74 2.09 | -- | -- | 2.1 | -- | -- 7 | 161 7 |
| 045/07F-27402 M 03/08/67 5050 1545 | -- | 7.8 | 2780 2550 | 110 5.49 | 176 14.47 | 200 8.70 | -- | 0.0 7.36 | 449 7.36 | -- | 472 13.31 | 57 .92 | -- | -- | -- | -- 633 | 1000 633 |
| 045/09F-01C01 M 10/04/66 5050 | -- | 7.8 | 2590 | 154 7.68 33 | 101 8.30 35 | 165 7.18 31 | 9.0 .23 1 | 0.0 2.57 11 | 157 2.57 11 | 60 1.25 5 | 686 19.35 81 | 43 .69 3 | -- | 0.1 | -- | 1590 1295 | 801 673 |
| 045/09F-08A01 M 10/26/66 5050 1400 | 67.0F 7.7 | 8.6 7.7 | 559 535 | 47 2.35 43 | 16 1.32 24 | 41 1.78 32 | 1.7 .04 1 | 13 .43 8 | 192 3.15 57 | 22 .46 8 | 30 .85 15 | 37 .60 11 | -- | 0.0 | -- | 329 302 | 183 4 |
| 045/09F-08G01 M 10/25/66 5050 | 67.0F 7.6 | 8.4 7.6 | 591 615 | 34 1.70 31 | 18 1.48 27 | 92 2.26 41 | 2.2 .06 1 | 4.0 .13 2 | 190 3.12 57 | 27 .56 10 | 36 1.02 18 | 43 .69 13 | -- | 0.1 | -- | 342 309 | 159 0 |
| 045/09F-08K01 M 10/26/66 5050 1430 | 66.0F 7.8 | 8.5 7.8 | 423 410 | 35 1.75 43 | 13 1.07 26 | 28 1.22 30 | 1.4 .04 1 | 5.0 .17 4 | 173 2.84 68 | 27 .56 13 | 12 .34 8 | 17 .27 6 | -- | 0.0 | -- | 262 223 | 141 0 |
| 045/09F-09B01 M 10/25/66 5050 1100 | 67.0F 7.7 | 8.3 7.7 | 233 270 | 14 .70 32 | 5.1 .42 19 | 24 1.04 44 | 0.8 .02 1 | 0.0 1.56 69 | 95 1.56 69 | 9.2 .19 8 | 10 .28 12 | 14 .23 10 | -- | 0.1 | -- | 164 124 | 56 0 |

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMREP DATE LAH TIME SAMPLER | TEMP | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER | | | | | | | | | | MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | TH NCH |
|---|-------|------------------|------------------|-------------------------|------|-------|-----|----------------------|-------|-----|-----|-----|----|-----|------|-----|-----|----------------------------|----|----|----|----------------------|--|--|--|-----------|
| | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | H | SI02 | SUM | TDS | | | | | | | | | |
| 02S/04F-03E02 M 04/04/47 5050 1400 5050 | -- | 7.7 | 4070 | 126 | 116 | 570 | -- | 0.0 | 256 | -- | 784 | -- | -- | 6.3 | -- | -- | -- | -- | -- | -- | -- | 792 | | | | |
| | | | 3475 | 6.29 | 9.54 | 24.80 | | 4.20 | 22.11 | | | | | | | | | | | | | 582 | | | | |
| 02S/04F-13N01 M 04/06/47 5050 1100 5050 | -- | 7.0 | 2340 | 150 | 83 | 185 | -- | 0.0 | 91 | -- | 512 | -- | -- | 0.8 | -- | -- | -- | -- | -- | -- | -- | 716 | | | | |
| | | | 1890 | 7.49 | 6.82 | 8.05 | | 1.49 | 14.44 | | | | | | | | | | | | | 642 | | | | |
| 02S/04F-28H01 M 04/27/47 5050 1245 5050 | -- | 7.6 | 3000 | 207 | 105 | 444 | -- | 0.0 | 272 | -- | 305 | -- | -- | 5.5 | -- | -- | -- | -- | -- | -- | -- | 949 | | | | |
| | | | 2500 | 10.33 | 8.63 | 19.31 | | 4.46 | 8.60 | | | | | | | | | | | | | 727 | | | | |
| 02S/10F-14F01 M 05/02/47 5050 1215 5050 | 67.1F | 8.1 7.4 | 231 | 22 | 9.2 | 11 | -- | 0.0 | 108 | -- | 7.4 | 9.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 93 | | | | |
| | | | 190 | 1.10 | .76 | .48 | | 1.77 | .21 | .15 | | | | | | | | | | | | 5 | | | | |
| 03S/04F-02P01 M 06/15/47 5050 1100 5050 | -- | 7.8 | 3230 | 162 | 80 | 464 | -- | 0.0 | 88 | -- | 272 | -- | -- | 4.5 | -- | -- | -- | -- | -- | -- | -- | 734 | | | | |
| | | | 2700 | 8.08 | 6.58 | 20.14 | | 1.44 | 7.67 | | | | | | | | | | | | | 663 | | | | |
| 03S/05F-26M01 M 05/17/47 5050 1600 5050 | -- | 7.5 | 1740 | 142 | 46 | 180 | -- | 0.0 | 203 | -- | 98 | -- | -- | 1.2 | -- | -- | -- | -- | -- | -- | -- | 544 | | | | |
| | | | 1415 | 7.09 | 3.78 | 7.83 | | 3.33 | 2.76 | | | | | | | | | | | | | 378 | | | | |
| 03S/05F-36R01 M 05/17/47 5050 1800 5050 | -- | 7.0 | 646 | 42 | 18 | 53 | -- | 0.0 | 111 | -- | 77 | -- | -- | 0.3 | -- | -- | -- | -- | -- | -- | -- | 179 | | | | |
| | | | 560 | 2.10 | 1.48 | 2.31 | | 1.82 | 2.17 | | | | | | | | | | | | | 88 | | | | |
| 03S/06F-30E01 M 06/12/47 5050 1100 5050 | -- | 7.2 | 1680 | 117 | 30 | 160 | -- | 0.0 | 171 | -- | 390 | -- | -- | 0.8 | -- | -- | -- | -- | -- | -- | -- | 416 | | | | |
| | | | 1445 | 5.84 | 2.47 | 6.96 | | 2.80 | 11.00 | | | | | | | | | | | | | 276 | | | | |
| 03S/06F-32L01 M 06/12/47 5050 1400 5050 | -- | 7.2 | 838 | 65 | 23 | 73 | -- | 0.0 | 215 | -- | 53 | -- | -- | 1.0 | -- | -- | -- | -- | -- | -- | -- | 257 | | | | |
| | | | 800 | 3.24 | 1.89 | 3.18 | | 3.53 | 1.49 | | | | | | | | | | | | | 81 | | | | |
| 03S/09F-17N01 M 10/26/46 5050 1500 5050 | 66.0F | 8.1 7.6 | 616 | 57 | 16 | 38 | 3.0 | 0.0 | 263 | 26 | 16 | 30 | -- | 0.1 | -- | -- | 363 | 210 | -- | -- | -- | 315 | | | | |
| | | | 640 | 2.84 | 1.32 | 1.65 | .08 | 4.31 | .45 | .48 | | | | | | | | | | | | 0 | | | | |
| 03S/09F-19R01 M 10/25/46 5050 1430 5050 | 66.0F | 8.4 7.5 | 483 | 27 | 21 | 34 | 3.2 | 3.0 | 198 | 21 | 12 | 37 | -- | 0.1 | -- | -- | 298 | 154 | -- | -- | -- | 255 | | | | |
| | | | 550 | 1.35 | 1.73 | 1.48 | .08 | 3.25 | .44 | .60 | | | | | | | | | | | | 0 | | | | |

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE TIME | TEMP | PH | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | F | B | SI02 | MILLIGRAMS PER LITER | |
|--|-------|------------|------------------|-------------------------|------------------|------------------|-----------------|---|-------------------|-----------------|------------------|-----------------|----|-----|------|----------------------|------------|
| | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | | | | TDS SUM | TH NCH |
| 04S/09F-09B02 M 10/25/46 5050 1050 | 67.0F | 8.5 7.6 | 358 340 | 10 .50 15 | 17 1.40 42 | 32 1.39 42 | 1.8 .05 1 | 4.0 .13 4 | 136 2.23 66 | 10 .21 6 | 20 .56 16 | 17 .27 8 | -- | 0.0 | -- | 232 178 | 94 0 |
| 04S/09F-09D01 M 10/25/46 5050 1030 | 66.8F | 8.6 7.6 | 432 410 | 27 1.35 33 | 8.1 .67 16 | 48 2.09 50 | 1.5 .04 1 | 7.0 .23 5 | 177 2.90 68 | 18 .37 9 | 13 .37 9 | 23 .37 9 | -- | 0.1 | -- | 278 232 | 101 0 |
| 04S/09F-09Q01 M 05/02/47 5050 1030 | 68.0F | 8.4 7.4 | 386 330 | 25 1.25 | 9.6 .79 | 38 1.65 | -- | 9.0 .30 | 124 2.03 | -- | 20 .56 | 21 .34 | -- | -- | -- | -- | 102 0 |
| 05S/08F-07H01 M 07/25/47 5050 1100 | -- | 8.0 | 2150 1765 | 92 4.59 | 121 9.95 | 182 7.92 | -- | 0.0 7.92 | 483 7.92 | -- | 343 9.67 | -- | -- | 0.4 | -- | -- | 728 332 |
| 05S/08F-08G01 M 07/25/47 5050 1305 | -- | 7.6 | 1830 1435 | 80 3.99 | 99 8.14 | 167 7.26 | -- | 0.0 6.45 | 393 6.45 | -- | 215 6.06 | -- | -- | 0.6 | -- | -- | 607 285 |
| 05S/08F-17J01 M 07/26/47 5050 0900 | -- | 7.7 | 1980 1665 | 104 5.19 | 108 8.88 | 160 6.96 | -- | 0.0 5.72 | 349 5.72 | -- | 297 8.38 | -- | -- | 0.6 | -- | -- | 704 416 |
| 05S/08F-22C02 M 07/28/47 5050 1451 | -- | 7.8 | 2220 1725 | 106 5.29 | 73 6.00 | 346 15.05 | -- | 0.0 6.26 | 382 6.26 | -- | 232 6.54 | -- | -- | 1.4 | -- | -- | 565 252 |
| 05S/08F-27M01 M 07/31/47 5050 0830 | -- | 7.5 | 1380 1350 | 85 4.24 | 54 4.44 | 136 5.92 | -- | 0.0 3.18 | 194 3.18 | -- | 44 1.24 | -- | -- | 0.4 | -- | -- | 434 275 |
| 05S/08F-30Q01 M 05/02/47 5050 0900 | -- | 8.4 7.3 | 1700 1600 | 97 4.84 | 66 5.43 | 175 7.61 | -- | 8.0 .27 | 222 3.64 | -- | 240 6.77 | 22 .35 | -- | -- | -- | -- | 515 320 |
| 05S/08F-33E01 M 08/02/47 5050 0915 | -- | 7.6 | 3200 2650 | 187 9.33 | 128 10.52 | 331 14.40 | -- | 0.0 6.05 | 369 6.05 | -- | 546 15.40 | -- | -- | 1.2 | -- | -- | 994 692 |
| 05S/08F-36N01 M 08/02/47 5050 1105 | -- | 7.5 | 1630 1300 | 115 5.74 | 53 4.36 | 154 6.70 | -- | 0.0 4.30 | 262 4.30 | -- | 181 5.10 | -- | -- | 0.5 | -- | -- | 506 291 |
| 05S/10F-13K01 M 05/01/47 5050 1710 | 69.8F | 8.4 7.5 | 181 160 | 13 .65 37 | 3.5 .29 17 | 17 .74 42 | 2.8 .07 4 | 2.0 .07 4 | 83 1.36 78 | 2.3 .05 3 | 6.5 .18 10 | 5.0 .08 5 | -- | 0.0 | -- | 156 93 | 47 0 |

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE TIME | TEMP | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | |
|--|------|------------------|------------------|-------------------------|-----|-----|----|---|------|-----|-----|-----|----------------------|-----|------|------------|--------------|
| | | | | CA | MG | NA | K | CO3 | HC03 | SD4 | CL | N03 | F | B | SI02 | IDS SUM | TH NCH |
| 065/07F-01R01 M 07/05/67 5050 0900 | -- | 8.1 | 1840 1525 | 116 | 75 | 175 | -- | 0.0 | 179 | -- | 142 | -- | -- | 0.6 | -- | -- | 598 451 |
| 065/07F-12P01 M 06/29/67 5050 1000 | -- | 7.9 | 3650 2900 | 91 | 225 | 444 | -- | 0.0 | 167 | -- | 127 | -- | -- | 1.8 | -- | -- | 1150 1014 |
| 065/07F-13R01 M 06/29/67 5050 0900 | -- | 7.8 | 2500 2100 | 76 | 121 | 322 | -- | 0.0 | 191 | -- | 80 | -- | -- | -- | -- | -- | 688 532 |
| 065/07F-15G01 M 06/29/67 5050 1230 | -- | 7.5 | 6690 5060 | 279 | 416 | 901 | -- | 0.0 | 95 | -- | 242 | -- | -- | 2.2 | -- | -- | 2410 2334 |
| 065/07F-17E01 M 07/07/67 5050 1130 | -- | 8.3 | 636 590 | 25 | 35 | 51 | -- | 0.0 | 180 | -- | 42 | -- | -- | 0.3 | -- | -- | 207 60 |
| 065/07F-22R01 M 07/05/67 5050 1030 | -- | 8.0 | 4830 3670 | 362 | 286 | 486 | -- | 0.0 | 91 | -- | 102 | -- | -- | 1.8 | -- | -- | 2080 2007 |
| 065/07F-24E01 M 06/28/67 5050 1800 | -- | 7.4 | 2150 1815 | 180 | 94 | 180 | -- | 0.0 | 103 | -- | 54 | -- | -- | 0.7 | -- | -- | 836 752 |
| 065/07F-26K01 M 06/28/67 5050 1800 | -- | 7.6 | 1740 1435 | 114 | 108 | 118 | -- | 0.0 | 104 | -- | 102 | -- | -- | 0.2 | -- | -- | 729 644 |
| 065/07F-34K01 M 06/28/67 5050 1930 | -- | 8.0 | 4580 3600 | 389 | 207 | 504 | -- | 0.0 | 95 | -- | 132 | -- | -- | 1.8 | -- | -- | 1820 1743 |
| 065/08F-03J01 M 07/19/67 5050 1600 | -- | 8.3 | 1060 965 | 58 | 40 | 107 | -- | 0.0 | 165 | -- | 52 | -- | -- | 0.5 | -- | -- | 309 174 |
| 065/09F-07J01 M 07/06/67 5050 1500 | -- | 8.2 | 1070 915 | 14 | 71 | 109 | -- | 0.0 | 315 | -- | 84 | -- | -- | 0.6 | -- | -- | 327 69 |
| 065/09F-29R02 M 07/06/67 5050 1600 | -- | 8.1 | 878 835 | 33 | 46 | 79 | -- | 0.0 | 182 | -- | 48 | -- | -- | 0.4 | -- | -- | 272 123 |

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE TIME | TEMP | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | | | MILLIGRAMS PER LITER | | | |
|---|-------|------------------|------------------|-------------------------|-----------------|--------------------|-----------------|---|------------------|-----------------|---------------------|-----------------|----|-----|----------------------|--------------|------------|-----|
| | | | | CA | MG | NA | K | CO ₃ | HCO ₃ | SO ₄ | CL | NO ₃ | F | R | SI0 ₂ | TDS SUM | TH | NCH |
| 06S/20F-01Q01 M 02/16/47 5050 1200 5050 | 63.0F | 7.9 | 1040 1200 | 58 2.89 33 | 1.3 .11 1 | 132 5.74 65 | 2.4 .06 1 | 0.0 | 73 1.20 14 | 11 .23 3 | 260 7.33 84 | 0.5 .01 | -- | 0.4 | -- | 557 501 | 150 90 | |
| 06S/20F-10L01 M 02/14/47 5000 5000 | 58.0F | 7.4 | 5450 | 349 17.42 34 | 6.3 .52 1 | 748 32.54 64 | 8.5 .22 | 0.0 | 122 2.00 4 | 10 .21 96 | 1740 49.07 | 0.3 | -- | 1.9 | 50 | -- 3034 | 907 708 | |
| 06S/20F-10L01 M 03/14/47 5050 5050 | -- | 7.7 | 5750 | 344 17.17 34 | 4.6 .38 1 | 754 32.80 65 | 10 .26 1 | 0.0 | 117 1.92 4 | 38 .79 2 | 1770 49.91 95 | 0.1 | -- | 1.9 | -- | 3020 2980 | 878 783 | |
| 06S/21F-36L01 M 03/16/47 5050 5050 | 59.0F | 7.5 | 3130 2500 | 168 8.38 31 | 2.1 .17 1 | 422 18.36 68 | 7.2 .18 1 | 0.0 | 34 .56 2 | 40 .83 3 | 942 26.56 95 | 0.2 | -- | 1.7 | -- | 1750 1600 | 428 400 | |
| 07S/08F-14A01 M 10/19/46 5050 1115 5000 | -- | 8.3 | 1690 | 141 7.04 | -- -- | 94 4.09 | -- | 0.0 | 569 9.33 | -- -- | 162 4.57 | -- | -- | 0.3 | -- | -- | 681 215 | |
| 07S/08F-18R01 M 10/20/46 5050 0930 5000 | -- | 8.1 | 894 | 68 3.39 | -- -- | 48 2.09 | -- | 0.0 | 349 5.72 | -- -- | 24 .68 | -- | -- | 0.3 | -- | -- | 369 83 | |
| 07S/08F-19K01 M 10/20/46 5804 5000 | -- | -- | -- 800 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07S/08F-22L02 M 10/20/46 5804 5000 | -- | -- | -- 1325 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07S/08F-25C01 M 10/20/46 5804 5000 | -- | -- | -- 1260 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 07S/09F-22P01 M 10/07/46 5050 1400 5050 | -- | 8.1 | 2470 | 83 4.14 | -- -- | 352 15.31 | -- | 0.0 | 144 2.36 | -- -- | 359 10.12 | -- | -- | 2.7 | -- | -- | 401 283 | |
| 07S/09F-23N03 M 10/07/46 5050 1030 5000 | -- | 8.0 | 2000 | 63 3.14 | -- -- | 312 13.57 | -- | 0.0 | 160 2.62 | -- -- | 228 6.43 | -- | -- | 2.5 | -- | -- | 284 153 | |
| 07S/09F-27P01 M 10/07/46 5050 0845 5000 | -- | 8.3 | 2700 | 107 5.34 | -- -- | 340 14.79 | -- | 0.0 | 166 2.72 | -- -- | 319 9.00 | -- | -- | 1.3 | -- | -- | 610 474 | |

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

| STAFF WELL NUMBER DATE LAB TIME SAMPLER | TEMP | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER | | | | | | | MILLIGRAMS PER LITER | | | | |
|---|-------|------------------|------------------|-------------------------|------|-------|-----|----------------------|------|------|-----|-----|-----|-----|----------------------|------------|-----------|--|--|
| | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NH3 | F | B | SI02 | TDS SUM | TH NCH | | |
| 07S/09F-31G01 M 11/02/66 5050 1030 | 66.0F | 7.7 | 1330 | 104 | -- | 11.8 | -- | 0.0 | 318 | -- | 136 | -- | -- | 0.6 | -- | -- | 431 | | |
| | | | | 5.19 | -- | 5.13 | -- | 5.22 | 3.84 | -- | -- | -- | -- | -- | 170 | | | | |
| 07S/09F-32L01 M 11/04/66 5050 0900 | 66.0F | 7.8 | 1050 | 82 | -- | 9.6 | -- | 0.0 | 268 | -- | 86 | -- | -- | 0.5 | -- | -- | 347 | | |
| | | | | 4.09 | -- | 4.18 | -- | 4.40 | 2.43 | -- | -- | -- | -- | -- | 127 | | | | |
| 07S/09F-33D01 M 10/26/66 5050 1030 | -- | 8.3 | 3340 | 368 | -- | 285 | -- | 0.0 | 360 | -- | 206 | -- | -- | 1.6 | -- | -- | 1440 | | |
| | | | | 14.36 | -- | 12.40 | -- | 5.90 | 5.81 | -- | -- | -- | -- | -- | 1146 | | | | |
| 07S/14F-30E02 M 05/01/67 5050 1530 | 69F | 8.3 7.3 | 376 360 | 30 | 15 | 21 | 5.0 | 0.0 | 172 | 12 | 16 | 13 | -- | 0.0 | -- | 267 | 137 | | |
| | | | | 1.50 | 1.23 | .91 | .13 | 2.82 | .25 | .45 | .21 | 196 | 0 | | | | | | |
| 07S/19F-23M0 03/14/67 5050 5050 | -- | 7.9 | 1290 | 91 | 8.1 | 137 | 3.6 | 0.0 | 146 | 11 | 306 | 0.2 | -- | 0.2 | -- | 685 | 261 | | |
| | | | | 4.54 | .67 | 5.94 | .09 | 2.39 | .23 | 8.63 | 629 | 142 | | | | | | | |
| 07S/20F-01N0 02/18/67 5000 5000 | 66.6F | 8.1 | 713 520 | 35 | 1.2 | 104 | 1.2 | 0.0 | 102 | 9.0 | 60 | 0.1 | 0.4 | 0.5 | 28 | -- | 92 | | |
| | | | | 1.75 | .10 | 4.52 | .03 | 1.67 | .19 | 1.69 | 290 | 9 | | | | | | | |
| 08S/08F-01N01 M 12/19/66 5050 1430 | 63.9F | 7.8 | 665 790 | 51 | 23 | 55 | -- | 0.0 | 199 | -- | 33 | -- | -- | -- | -- | -- | 220 | | |
| | | | | 2.54 | 1.89 | 2.39 | -- | 3.26 | .93 | -- | -- | 57 | | | | | | | |
| 08S/08F-21A03 M 12/22/66 5050 1700 | 78.5F | 7.4 | 1740 1950 | 90 | 41 | 184 | -- | 0.0 | 265 | -- | 120 | 2.7 | -- | -- | -- | 392 | | | |
| | | | | 4.49 | 3.37 | 8.00 | -- | 4.35 | 3.38 | .04 | -- | -- | 175 | | | | | | |
| 08S/09F-25A01 M 12/22/66 5050 1250 | 59.0F | 7.6 | 823 810 | 75 | 32 | 41 | -- | 0.0 | 266 | -- | 84 | -- | -- | -- | -- | 319 | | | |
| | | | | 3.74 | 2.63 | 1.74 | -- | 4.36 | 2.37 | -- | -- | 101 | | | | | | | |
| 08S/09F-02P01 M 10/04/66 5004 1225 | -- | -- | -- 960 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| | | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | | |

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE TIME | TEMP | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | TOS SUM | TH NCH |
|---|-------|------------------|------------------|-------------------------|----|---------------|----|---|-------------|-----|---------------|----------------------|----|-----|------|------------|------------|
| | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | B | SI02 | | |
| 08S/09F-03M01 M 10/07/66 S004 1230 5000 | 71.0F | -- | -- 820 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 08S/09F-04F01 M 10/25/66 S050 1630 5000 | -- | 7.9 | 1280 | 81 4.04 | -- | 105 4.57 | -- | 0.0 | 323 5.30 | -- | 103 2.90 | -- | -- | 0.7 | -- | -- | 417 152 |
| 08S/09F-04G01 M 10/26/66 S004 1200 5000 | 63.0F | -- | -- 760 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 08S/09F-06P01 M 10/26/66 S050 1400 5000 | -- | 8.2 | 1360 | 99 4.94 | -- | 119 5.18 | -- | 0.0 | 418 6.86 | -- | 133 3.75 | -- | -- | 0.5 | -- | -- | 410 67 |
| 08S/09F-08E01 M 10/00/66 S050 1320 5000 | -- | 8.4 | 945 | 32 1.60 | -- | 73 3.18 | -- | 3.0 .10 | 128 2.10 | -- | 124 3.50 | -- | -- | 0.4 | -- | -- | 271 161 |
| 08S/09F-08G02 M 11/04/66 S050 1400 5000 | 70.0F | 7.6 | 1020 | 59 2.94 | -- | 120 5.22 | -- | 0.0 | 255 4.18 | -- | 95 2.68 | -- | -- | 0.6 | -- | -- | 243 34 |
| 08S/09F-08N01 M 10/27/66 S050 0900 5000 | 66.0F | 7.5 | 980 | 79 3.94 | -- | 83 3.61 | -- | 0.0 | 326 5.35 | -- | 89 2.51 | -- | -- | 0.6 | -- | -- | 322 55 |
| 08S/09F-10L01 M 10/25/66 S050 1100 5000 | 66.0F | 8.2 | 747 670 | 55 2.74 | -- | 62 2.70 | -- | 0.0 | 228 3.74 | -- | 23 .65 | -- | -- | 0.3 | -- | -- | 222 35 |
| 08S/09F-11H01 M 10/03/66 S004 5000 | 74.6F | -- | -- 2230 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 08S/09F-13C01 M 10/06/66 S050 1600 5000 | -- | 8.2 | 2800 | 72 3.59 | -- | 435 18.92 | -- | 0.0 | 134 2.20 | -- | 433 12.21 | -- | -- | 2.5 | -- | -- | 328 218 |
| 08S/09F-14H01 M 10/06/66 S050 5000 | -- | 8.6 | 8320 | 95 4.74 | -- | 1330 57.86 | -- | 14 .47 | 244 4.00 | -- | 1610 45.40 | -- | -- | 3.6 | -- | -- | 330 107 |
| 08S/09F-16M01 M 12/01/66 S050 0930 5000 | 66.0F | 7.6 | 1110 | 84 4.19 | -- | 111 4.83 | -- | 0.0 | 315 5.17 | -- | 90 2.54 | -- | -- | 0.8 | -- | -- | 375 117 |

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE LAB TIME SAMPLER | TEMP | PH LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | TDS SUM | TH NCH |
|---|-------|------------------|-------------------------|------|-------|-------|---|------|-------|-----|-------|----------------------|----|-----|------|------------|-----------|
| | | | EC LAB FLD | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | B | SI02 | | |
| 08S/09F-19D01 M 11/03/46 5050 1600 5000 | 68.0F | 7.6 | 789 | 77 | -- | 51 | -- | 0.0 | 269 | -- | 75 | -- | -- | 0.3 | -- | -- | 313 |
| | | | | 3.84 | | 2.22 | | | 4.41 | | 2.12 | | | | | | 93 |
| 08S/09F-21A01 M 12/01/46 5050 1100 5000 | 66.0F | 7.6 | 3110 | 115 | -- | 474 | -- | 0.0 | 529 | -- | 372 | -- | -- | 2.8 | -- | -- | 633 |
| | | | | 5.74 | | 20.62 | | | 8.68 | | 10.49 | | | | | | 199 |
| 08S/09F-30N01 M 11/03/46 5050 1730 5000 | 65.0F | 7.4 | 1360 | 83 | -- | 123 | -- | 0.0 | 362 | -- | 141 | -- | -- | 1.0 | -- | -- | 453 |
| | | | | 4.14 | | 5.35 | | | 5.94 | | 3.98 | | | | | | 156 |
| 08S/09F-31M01 M 12/22/46 5050 1045 5000 | 64.0F | 7.6 | 2430 | 156 | 82 | 266 | -- | 0.0 | 245 | -- | 142 | 20 | -- | -- | -- | -- | 728 |
| | | | | 7.78 | 6.74 | 11.57 | | | 4.02 | | 4.00 | .32 | | | | | 527 |
| 09S/08F-11E01 M 12/07/46 5050 1600 5000 | 60.0F | 7.8 | 4730 | 455 | 290 | 825 | -- | 0.0 | 187 | -- | 307 | 183 | -- | -- | -- | -- | 2330 |
| | | | | 6690 | 22.70 | 23.84 | 35.89 | | 3.07 | | 8.66 | 2.95 | | | | | 2178 |
| 09S/08F-14E02 M 12/07/46 5050 1300 5000 | 68.0F | 8.0 | 1630 | 70 | 50 | 194 | -- | 0.0 | 390 | -- | 217 | 19 | -- | -- | -- | -- | 383 |
| | | | | 1800 | 3.49 | 4.11 | 8.44 | | 6.40 | | 6.12 | .31 | | | | | 63 |
| 09S/09F-07J01 M 04/02/47 5050 1200 5000 | 62.0F | 7.8 | 1010 | 78 | 37 | 75 | -- | 0.0 | 325 | -- | 112 | -- | -- | -- | -- | -- | 349 |
| | | | | 950 | 3.89 | 3.04 | 3.26 | | 5.33 | | 3.16 | | | | | | 83 |
| 09S/09F-07K01 M 04/02/47 5050 1330 5000 | 68.4F | 7.8 | 1580 | 112 | 59 | 133 | -- | 0.0 | 443 | -- | 216 | -- | -- | -- | -- | -- | 521 |
| | | | | 1505 | 5.59 | 4.85 | 5.79 | | 7.27 | | 6.09 | | | | | | 158 |
| 09S/09F-36E01 M 04/02/47 5050 1730 5000 | 64.0F | 7.4 | 731 | 40 | 23 | 64 | -- | 0.0 | 192 | -- | 92 | -- | -- | -- | -- | -- | 195 |
| | | | | 745 | 2.00 | 1.89 | 2.74 | | 3.15 | | 2.59 | | | | | | 38 |
| 10S/09F-05C01 M 11/10/46 5050 1100 5000 | 71.4F | 7.2 | 1290 | 53 | -- | 162 | -- | 0.0 | 281 | -- | 193 | -- | -- | 1.2 | -- | -- | 268 |
| | | | | 2.64 | | 7.05 | | | 4.61 | | 5.44 | | | | | | 38 |
| 10S/09F-30S01 M 11/22/46 5050 1300 5000 | -- | 8.2 | 1740 | 53 | 66 | 206 | -- | 0.0 | 340 | -- | 232 | 76 | -- | -- | -- | -- | 403 |
| | | | | 1890 | 2.64 | 5.43 | 8.96 | | 5.58 | | 6.54 | 1.22 | | | | | 124 |
| 10S/10F-03L01 M 10/27/46 5050 1000 5000 | -- | 8.6 | 2970 | 140 | -- | 372 | -- | 34 | 757 | -- | 316 | -- | -- | 3.2 | -- | -- | 806 |
| | | | | 6.99 | | 16.14 | | 1.13 | 12.41 | | 8.91 | | | | | | 129 |

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

| STAFF WELL NUMBER DATE TIME | TEMP | PH LAH FLO | EC LAR FLO | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER TDS SUM | | | | |
|---|-------|------------------|------------------|-------------------------|------------------|------------------|-----------------|---|-------------------|-------------------|-------------------|-----------------|---------------------------------|-----|----|----|-------------------|
| | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | H | SI | O2 | TH NCH |
| 10S/10F-14P01 M 10/2R/66 5050 1400 5000 | -- | 7.2 | 1210 1300 | 57 2.84 | 33 2.71 | 134 6.00 | -- | 0.0 | 152 2.49 | -- | 141 3.98 | 4.0 .06 | -- | -- | -- | -- | 280 156 |
| 10S/10F-14Q01 M 10/2R/66 5050 1315 5000 | 70.2F | 7.6 | 820 870 | 54 2.69 | 33 2.71 | 64 2.78 | -- | 0.0 | 246 4.03 | -- | 86 2.43 | -- | -- | -- | -- | -- | 272 71 |
| 10S/10F-18A01 M 11/03/66 5050 1100 5000 | 69.8F | 7.0 | 803 | 54 2.69 | -- | 63 2.74 | -- | 0.0 | 233 3.82 | -- | 83 2.34 | -- | -- | 0.7 | -- | -- | 256 65 |
| 10S/10F-19P01 M 11/02/66 5050 1400 5000 | -- | 7.3 | 1550 | 94 4.69 | -- | 147 6.39 | -- | 0.0 | 394 6.46 | -- | 195 5.50 | -- | -- | 2.4 | -- | -- | 461 138 |
| 10S/10F-22H01 M 05/01/67 5050 1330 5050 | 67.1F | 8.2 7.2 | 1080 1000 | 73 3.64 33 | 44 3.62 33 | 86 3.74 34 | 2.5 .06 1 | 0.0 | 309 5.07 46 | 102 2.12 19 | 132 3.72 34 | 4.1 .07 1 | -- | 0.4 | -- | -- | 632 595 110 |
| 10S/10F-22J01 M 11/03/66 5050 0830 5000 | -- | 7.5 | 1550 | 117 5.84 | -- | 129 5.61 | -- | 0.0 | 528 8.66 | -- | 174 4.91 | -- | -- | 1.2 | -- | -- | 558 125 |
| 10S/10F-22N01 M 11/03/66 5050 0935 5000 | -- | 7.4 | 1330 | 114 5.69 | -- | 110 4.79 | -- | 0.0 | 462 7.58 | -- | 130 3.67 | -- | -- | 1.0 | -- | -- | 504 125 |
| 10S/10F-23E01 M 10/2R/66 5050 1100 5000 | 79.4F | 7.4 | 617 702 | 40 2.00 | 23 1.89 | 50 2.14 | -- | 0.0 | 212 3.48 | -- | 53 1.49 | 6.8 .11 | -- | 0.5 | -- | -- | 194 20 |
| 10S/10F-25R01 M 11/03/66 5050 1145 5000 | -- | 7.5 | 774 | 46 2.30 | -- | 74 3.22 | -- | 0.0 | 194 3.18 | -- | 90 2.54 | -- | -- | 0.9 | -- | -- | 214 55 |
| 10S/10F-32P01 M 11/09/66 5050 1200 5000 | -- | 7.5 | 750 | 50 2.50 | -- | 68 2.96 | -- | 0.0 | 222 3.64 | -- | 76 2.14 | -- | -- | 0.9 | -- | -- | 233 51 |
| 10S/10F-34C01 M 11/09/66 5050 1400 5000 | -- | 7.5 | 1000 | 93 4.64 | -- | 47 2.04 | -- | 0.0 | 317 5.20 | -- | 113 3.19 | -- | -- | 0.4 | -- | -- | 419 159 |
| 10S/11F-03G02 M 10/2R/66 5050 1335 5000 | 65.8F | 7.9 | 2690 500 | 93 4.64 | 67 5.51 | 376 16.36 | -- | 0.0 | 308 5.05 | -- | 578 16.30 | -- | -- | -- | -- | -- | 508 256 |

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE LAB TIME SAMPLER | TEMP | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | | | MILLIGRAMS PER LITER | | | | |
|---|-------|------------------|------------------|-------------------------|-----|-----|----|---|------|-----|-----|-----|----|-----|----------------------|------------|------------|--|--|
| | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | B | SI02 | TOS SUM | TH NCH | | |
| 10S/11F-13M01 M 12/08/66 5050 1200 5000 | -- | 7.9 | 1780 1750 | 82 | 41 | 258 | -- | 0.0 | 590 | -- | 168 | -- | -- | -- | -- | -- | 373 0 | | |
| 10S/11F-21001 M 11/09/66 5050 1145 5000 | -- | 7.6 | 3260 3375 | 59 | 58 | 570 | -- | 0.0 | 201 | -- | 389 | 1.6 | -- | 5.0 | -- | -- | 386 221 | | |
| 10S/11F-33H02 M 11/08/66 5050 1550 5000 | -- | 8.2 | 1650 1730 | 31 | 22 | 275 | -- | 0.0 | 235 | -- | 104 | 2.3 | -- | 3.4 | -- | -- | 166 0 | | |
| 10S/12F-06F01 M 11/29/66 5050 1420 5000 | -- | 7.5 | 777 890 | 44 | 24 | 68 | -- | 0.0 | 196 | -- | 102 | -- | -- | -- | -- | -- | 210 50 | | |
| 10S/12F-13L01 M 10/21/66 5050 1300 5000 | 64.8F | 7.6 | 721 783 | 30 | 9.2 | 97 | -- | 0.0 | 162 | -- | 102 | -- | -- | -- | -- | -- | 113 0 | | |
| 10S/12F-19D01 M 10/24/66 5050 1000 5000 | -- | 8.1 | 1390 | 67 | -- | 151 | -- | 0.0 | 201 | -- | 275 | -- | -- | 0.3 | -- | -- | 318 153 | | |
| 10S/12F-19R01 M 10/24/66 5050 1200 5000 | -- | 8.0 | 1800 | 89 | -- | 200 | -- | 0.0 | 206 | -- | 393 | -- | -- | 0.4 | -- | -- | 401 232 | | |
| 10S/12F-21C01 M 10/24/66 5050 1300 5000 | -- | 7.2 | 421 500 | 24 | 12 | 46 | -- | 0.0 | 209 | -- | 14 | 1.4 | -- | -- | -- | -- | 108 0 | | |
| 10S/13F-05L01 M 10/07/66 5050 1100 5000 | -- | 8.5 | 638 | 20 | -- | 84 | -- | 6.0 | 123 | -- | 103 | -- | -- | 0.0 | -- | -- | 106 0 | | |
| 10S/13F-05P01 M 10/07/66 5050 1230 5000 | -- | 8.3 | 752 | 46 | -- | 51 | -- | 0.0 | 109 | -- | 141 | -- | -- | 0.0 | -- | -- | 225 136 | | |
| 10S/13F-08R01 M 10/07/66 5050 1345 5000 | -- | 7.8 | 2160 | 169 | -- | 118 | -- | 0.0 | 47 | -- | 592 | -- | -- | 0.0 | -- | -- | 683 645 | | |
| 10S/13F-17Q01 M 10/07/66 5050 1530 5000 | -- | 8.5 | 768 740 | 35 | -- | 100 | -- | 7.0 | 171 | -- | 127 | -- | -- | 0.0 | -- | -- | 138 0 | | |

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

| STATE DATE TIME | WELL NUMBER LAR SAMPLER | TEMP | PH LAR FLO | EC LAR FLO | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | | TDS SUM | TH NCH |
|--|-------------------------------|-------|------------------|------------------|-------------------------|-------|-------|-------|---|------|-----|------|-----|----------------------|-----|------|------|------|------------|-----------|
| | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | B | SiO2 | | | | |
| 10S/13F-27001 M 10/18/66 5050 1150 | | -- | 8.3 | 810 | 85 | -- | 48 | -- | 0.0 | 323 | -- | 61 | -- | -- | 0.0 | -- | -- | 301 | 36 | |
| | | | | 740 | 4.24 | 2.09 | 5.30 | 1.72 | | | | | | | | | | | | |
| 10S/13F-28C02 M 10/00/66 5050 1335 | | -- | 8.1 | 1370 | 158 | -- | 49 | -- | 0.0 | 284 | -- | 201 | -- | -- | 0.0 | -- | -- | 564 | 331 | |
| | | | | 1260 | 7.88 | 2.13 | 4.66 | 5.67 | | | | | | | | | | | | |
| 10S/21F-26C01 M 05/02/67 5050 0945 | | 70.0F | 8.4 | 362 | 37 | 15 | 10 | -- | 4.0 | 184 | -- | 5.1 | 2.9 | -- | -- | -- | 154 | 0 | | |
| | | | | | 1.85 | 1.23 | .44 | .13 | 3.02 | .14 | .05 | | | | | | | | | |
| 11S/10F-01E01 M 03/07/67 5050 1600 | | 71.2F | 7.9 | 977 | 43 | 26 | 118 | -- | 0.0 | 209 | -- | 97 | 12 | -- | -- | -- | 214 | 43 | | |
| | | | | 945 | 2.15 | 2.14 | 5.13 | 3.43 | 2.74 | .19 | | | | | | | | | | |
| 11S/10F-01N01 M 03/07/67 5050 1500 | | 68.2F | 7.9 | 1780 | 73 | 49 | 235 | -- | 0.0 | 306 | -- | 138 | 15 | -- | -- | -- | 386 | 135 | | |
| | | | | 1740 | 3.64 | 4.03 | 10.22 | 5.02 | 3.89 | .24 | | | | | | | | | | |
| 11S/10F-04E01 M 03/08/67 5050 1630 | | 65.8F | 7.8 | 1500 | 115 | 62 | 94 | -- | 0.0 | 422 | -- | 192 | -- | -- | 0.8 | -- | 543 | 197 | | |
| | | | | 1405 | 5.74 | 5.10 | 4.09 | 6.92 | 5.41 | | | | | | | | | | | |
| 11S/10F-04N01 M 03/07/67 5050 0900 | | 67.6F | 8.0 | 2090 | 157 | 71 | 190 | -- | 0.0 | 298 | -- | 350 | -- | -- | -- | -- | 683 | 439 | | |
| | | | | 1955 | 7.83 | 5.84 | 8.27 | 4.89 | 9.87 | | | | | | | | | | | |
| 11S/10F-05G01 M 03/07/67 5050 1000 | | 67.8F | 7.6 | 1160 | 63 | 40 | 100 | -- | 0.0 | 232 | -- | 178 | -- | -- | -- | -- | 321 | 131 | | |
| | | | | 1060 | 3.14 | 3.29 | 4.35 | 3.80 | 5.02 | | | | | | | | | | | |
| 11S/10F-24N01 M 12/08/66 5050 1600 | | -- | 7.3 | 6040 | 506 | 242 | 550 | -- | 0.0 | 110 | -- | 1060 | 100 | -- | 2.0 | -- | 2260 | 2172 | | |
| | | | | | 25.25 | 19.89 | 23.93 | 1.80 | 29.89 | 1.61 | | | | | | | | | | |
| 11S/11F-05002 M 11/14/66 5050 1500 | | -- | 7.2 | 978 | 25 | -- | 146 | -- | 0.0 | 230 | -- | 86 | -- | -- | 1.3 | -- | 166 | 0 | | |
| | | | | 1000 | 1.25 | 6.35 | 3.77 | 2.43 | | | | | | | | | | | | |
| 11S/11F-05001 M 11/14/66 5050 1300 | | -- | 7.2 | 7810 | 96 | -- | 1420 | -- | 0.0 | 221 | -- | 1150 | -- | -- | 5.3 | -- | 1360 | 1180 | | |
| | | | | 6480 | 4.79 | 61.77 | 3.62 | 32.43 | | | | | | | | | | | | |
| 11S/11F-09M01 M 11/17/66 5050 1330 | | -- | 6.9 | 5620 | 234 | -- | 851 | -- | 0.0 | 135 | -- | 1200 | -- | -- | 5.7 | -- | 1040 | 930 | | |
| | | | | 3590 | 11.68 | 37.02 | 2.21 | 33.84 | | | | | | | | | | | | |

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE LAB TIME SAMPLER | TEMP | PH LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | | |
|---|-------|------------------|-------------------------|------------------|------------------|--------------------|---|-----------------|-------------------|-------------------|------------------|----------------------|----|-----|------|------------|--------------|
| | | | EC LAB FLD | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | B | SI02 | TDS SUM | TH NCH |
| 11S/11F-12J01 M 10/14/66 5050 1010 | -- | 6.9 | 5360 4120 | 626 31.24 | -- | 614 26.71 | -- | 0.0 | 556 9.12 | -- | 682 19.23 | -- | -- | 6.9 | -- | -- | 1970 1515 |
| 11S/11F-16001 M 11/22/66 5050 1100 | -- | 6.9 | 2570 2030 | 99 4.94 | -- | 344 14.96 | -- | 0.0 | 128 2.10 | -- | 469 13.23 | -- | -- | 3.8 | -- | -- | 469 364 |
| 11S/11F-19801 M 11/21/66 5050 1130 | -- | 7.9 | 1250 1150 | 43 2.15 | -- | 188 8.18 | -- | 0.0 | 265 4.35 | -- | 165 4.65 | -- | -- | 1.4 | -- | -- | 216 0 |
| 11S/11F-31601 M 11/21/66 5050 1255 | -- | 7.1 | 2760 2270 | 104 5.19 | -- | 418 18.18 | -- | 0.0 | 151 2.48 | -- | 461 13.00 | -- | -- | 3.7 | -- | -- | 482 358 |
| 11S/11F-33602 M 11/18/66 5050 1430 | -- | 7.2 | 823 800 | 72 3.59 | -- | 77 3.35 | -- | 0.0 | 127 2.08 | -- | 103 2.90 | -- | -- | 0.6 | -- | -- | 217 113 |
| 11S/17F-23J01 M 05/01/67 5050 1100 | 68.9F | 8.2 7.1 | 227 210 | 18 .90 42 | 4.6 .38 18 | 18 .78 36 | 3.2 .08 4 | 0.0 | 90 1.48 63 | 5.4 .11 5 | 19 .54 23 | 13 .21 9 | -- | 0.0 | -- | 190 125 | 64 0 |
| 11S/18F-10001 M 12/14/66 5050 1030 | 56.0F | 8.1 7.0 | 319 240 | 26 1.30 45 | 6.8 .56 19 | 23 1.00 34 | 1.9 .05 2 | 0.0 | 109 1.79 60 | 0.2 1.16 39 | 41 1.16 39 | 0.7 .01 | -- | 0.1 | -- | 187 153 | 93 4 |
| 12S/11F-12H01 M 11/22/66 5050 1410 | -- | 7.5 | 1440 1150 | 40 2.00 | -- | 264 11.66 | -- | 0.0 | 268 4.40 | -- | 79 2.23 | -- | -- | 2.6 | -- | -- | 155 0 |
| 12S/20F-32J01 M 03/20/67 5061 5061 | -- | 7.6 | -- | 7.0 .35 | 10 .86 | -- | -- | -- | -- | -- | 7.0 .20 | 9.2 .15 | -- | -- | -- | -- | 140 0 |
| 12S/20F-33M02 M 03/20/67 5061 5061 | -- | 7.5 | -- | 8.0 .40 | 10 .86 | 1.5 .07 | -- | -- | -- | -- | 13 .37 | 29 .47 | -- | -- | -- | 170 0 | 70 0 |
| 13S/15F-30H01 M 11/03/66 5050 5061 | -- | 8.4 | 556 | 6.2 .31 6 | 0.6 .05 1 | 1.07 4.65 92 | 1.1 .03 1 | 4.0 .13 3 | 160 2.62 51 | 12 .25 5 | 75 2.12 41 | 0.6 .01 | -- | 0.4 | -- | 325 285 | 18 0 |
| 13S/15F-30H04 M 11/03/66 5050 5061 | -- | 8.7 | 565 | 7.0 .35 7 | 2.1 .17 3 | 1.08 4.70 90 | 0.9 .02 | 9.0 .30 6 | 157 2.57 49 | 15 .31 6 | 72 2.03 39 | 0.4 .01 | -- | 0.3 | -- | 323 292 | 26 0 |

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE TIME | TEMP | PH LAB FLO | EC LAB FLO | MINERAL CONSTITUENTS IN | | | | MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | TDS SUM | TH NCH |
|-----------------------------------|------|------------------|------------------|-------------------------|------------|------------|------------|---|------------------|-----------------|------------|----------------------|------|----|------|------------|-----------|
| | | | | CA | MG | NA | K | CO ₃ | HCO ₃ | SO ₄ | CL | N03 | F | B | SI02 | | |
| 13S/20F-03C01 M 03/06/67 5061 | -- | 7.6 | -- | -- | 11 .90 | 1.3 .06 | -- | -- | -- | 3.0 .06 | 11 .31 | 10 .17 | -- | -- | -- | 179 | 70 |
| 13S/20F-10K01 M 03/20/67 5061 | -- | 7.6 | -- | 7.0 .35 | 10 .86 | 15 .65 | 0.5 .01 | -- | -- | 2.0 .04 | 6.0 .17 | 12 .20 | -- | -- | -- | 92 | 61 |
| 13S/20F-16L01 M 03/15/67 5061 | -- | 7.6 | -- | 7.0 .35 | 11 .90 | 11 .48 | 0.6 .02 | -- | -- | 2.0 .04 | 7.0 .20 | 14 .23 | 0.18 | -- | -- | -- | 86 |
| 13S/20F-16R01 M 03/06/67 5061 | -- | 7.4 | -- | -- | 11 .90 | 1.7 .07 | -- | -- | -- | 7.6 .16 | 10 .28 | 15 .24 | -- | -- | -- | -- | 72 |
| 13S/20F-17A01 M 03/20/67 5061 | -- | 7.5 | -- | 7.0 .35 | 12 .99 | 10 .44 | 0.6 .02 | -- | -- | 2.0 .04 | 8.0 .23 | 9.7 .16 | 0.22 | -- | -- | -- | 90 |
| 13S/20F-21F01 M 03/15/67 5061 | -- | 7.5 | -- | 2.0 .10 | -- | 8.0 .35 | 0.5 .01 | -- | -- | 5.0 .10 | 8.0 .23 | 9.2 .15 | 0.22 | -- | -- | -- | 74 |
| 13S/20F-25E02 M 03/20/67 5061 | -- | 7.5 | -- | 10 .50 | 23 1.93 | 24 1.22 | 1.1 .03 | -- | -- | 2.1 .04 | 4.0 .11 | 52 .85 | -- | -- | -- | -- | 160 |
| 13S/20F-26C01 M 03/06/67 5061 | -- | 7.5 | -- | 4.7 .23 | 14 1.15 | 20 .87 | 0.6 .02 | -- | -- | 13 .27 | 4.0 .11 | 18 .29 | -- | -- | -- | 200 | 80 |
| 13S/20F-26L01 M 03/06/67 5061 | -- | 7.5 | -- | 12 .60 | 13 1.07 | 27 1.17 | 0.8 .02 | -- | -- | 25 .52 | 10 .28 | 33 .53 | -- | -- | -- | 306 | 158 |
| 13S/20F-28C01 M 03/15/67 5061 | -- | 7.6 | -- | 4.0 .20 | 9.0 .74 | 6.0 .26 | 0.5 .01 | -- | -- | 7.0 .15 | 5.0 .14 | 10 .16 | -- | -- | -- | -- | 88 |
| 13S/20F-36D01 M 03/06/67 5061 | -- | 7.8 | -- | 5.0 .25 | 9.0 .74 | 8.0 .35 | 0.3 .01 | -- | -- | 3.5 .07 | 3.0 .08 | 8.0 .13 | -- | -- | -- | 118 | 52 |
| 13S/20F-36K01 M 03/15/67 5061 | -- | 7.4 | -- | 16 .80 | 33 2.75 | 27 1.17 | -- | -- | -- | 30 .62 | 15 .42 | 62 1.01 | -- | -- | -- | -- | 240 |

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE TIME | TEMP | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | |
|---|-------|------------------|------------------|-------------------------|------------|------------|------------|---|-------------|------------|------------|-------------|----------------------|----|------|------------|-----------|
| | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | B | SI02 | TDS SUM | TH NCH |
| 135/21F-07602 M 03/20/67 5061 5061 | -- | 7.5 | -- | 9.0 .45 | 18 1.52 | 21 .91 | 0.5 .01 | -- | -- | 12 .25 | 10 .28 | 25 .41 | 0.28 | -- | -- | -- | 125 |
| 135/21F-20001 M 01/06/67 5050 5050 | -- | 8.7 | 846 | 48 2.40 | -- | -- | -- | 13 .43 | 199 3.26 | -- | 42 1.18 | 135 2.17 | -- | -- | -- | -- | 240 56 |
| 135/21F-20002 M 01/06/67 5050 5050 | -- | 8.6 | 677 | 26 1.30 | -- | -- | -- | 7.0 .23 | 168 2.76 | -- | 44 1.24 | 61 .98 | -- | -- | -- | -- | 176 27 |
| 135/21F-30E02 M 03/06/67 5061 5061 | -- | 7.7 | -- | 8.0 .40 | 23 1.89 | 24 1.04 | 0.6 .02 | -- | -- | 15 .31 | 6.0 .17 | 31 .50 | -- | -- | -- | 252 | 110 |
| 135/21F-31E02 M 03/15/67 5061 5061 | -- | 7.8 | -- | 6.0 .30 | 31 2.55 | 14 .61 | 0.5 .01 | -- | -- | 15 .31 | 15 .42 | 24 .39 | 0.18 | -- | -- | -- | 152 |
| 135/21F-31E02 M 05/02/67 5050 1430 5061 | 68.0F | 8.5 | 401 | 30 1.50 | 17 1.40 | 23 1.00 | -- | 6.0 .20 | 186 3.05 | -- | 9.9 .28 | 18 .29 | -- | -- | -- | -- | 145 0 |
| 135/21F-31G01 M 03/20/67 5061 5061 | -- | 7.6 | -- | 11 .55 | 31 2.55 | 23 1.00 | 0.7 .02 | -- | -- | 26 .54 | 17 .48 | 23 .38 | 0.18 | -- | -- | -- | 190 |
| 135/21F-31J01 M 05/02/67 5050 0945 5061 | -- | 8.4 | 425 | 32 1.60 | 18 1.48 | 24 1.04 | -- | 4.0 .13 | 206 3.38 | -- | 12 .34 | 13 .21 | -- | -- | -- | -- | 156 0 |
| 135/21F-31M01 M 03/20/67 5061 5061 | -- | 7.4 | -- | 20 1.00 | 40 3.29 | 43 1.87 | -- | -- | -- | 52 1.08 | 22 .62 | 55 .90 | -- | -- | -- | -- | 280 |
| 145/19F-01M01 M 03/15/67 5061 5061 | -- | -- | -- | 10 .50 | 42 3.45 | 14 .79 | 0.9 .02 | -- | -- | 12 .25 | 5.0 .14 | 20 .32 | -- | -- | -- | -- | 230 |
| 145/19F-14M01 M 01/06/67 5050 5050 | -- | 8.5 | 570 | 34 1.90 | -- | -- | -- | 4.0 .13 | 124 2.03 | -- | 24 .68 | 92 1.48 | -- | -- | -- | -- | 184 76 |
| 145/19F-21A01 M 03/20/67 5061 5061 | -- | 6.9 | -- | 25 1.25 | 50 4.11 | 71 3.09 | 1.2 .03 | -- | -- | 29 .60 | 53 1.49 | 33 .54 | 0.2 | -- | -- | -- | 365 |

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE TIME | TEMP | PH LAB FLD | EC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | | |
|--|------|------------------|------------------|-------------------------|-------------------|---------------------|-----------------|---|-------------------|--------------------|----------------------|----------------------|------|-----|------|---------------|--------------|
| | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | N03 | F | H | SI02 | TDS SUM | TH NCH |
| 145/19F-22P01 M 03/20/67 5061 5061 | -- | 7.3 | -- | 30 1.50 | 56 4.60 | 91 3.96 | 1.2 .03 | -- | -- | 33 .69 | 54 1.52 | 36 .58 | 0.24 | -- | -- | -- | 400 |
| 145/20F-08A01 M 03/15/67 5061 5061 | -- | 7.4 | -- | 10 .50 | 44 3.62 | 14 .61 | 1.0 .03 | -- | -- | 21 .44 | 24 .68 | 50 .81 | 0.18 | -- | -- | -- | 234 |
| 145/20F-09L02 M 03/20/67 5061 5061 | -- | 7.5 | -- | 10 .50 | 19 1.56 | 19 .83 | 0.7 .02 | -- | -- | 7.0 .15 | 15 .42 | 18 .30 | 0.12 | -- | -- | -- | 122 |
| 145/20F-12A01 M 03/15/67 5061 5061 | -- | 7.9 | -- | 4.0 .20 | 17 1.40 | 8.0 .35 | 0.3 .01 | -- | -- | 4.0 .08 | 4.5 .13 | 13 .21 | 0.2 | -- | -- | -- | 86 |
| 145/20F-24D01 M 03/15/67 5061 5061 | -- | 7.9 | -- | 5.0 .25 | 23 1.89 | 8.0 .35 | 0.5 .01 | -- | -- | 6.0 .12 | 5.0 .14 | 14 .23 | 0.3 | -- | -- | -- | 116 |
| 145/21F-06E01 M 03/15/67 5061 5061 | -- | 7.6 | -- | 7.0 .35 | 31 2.55 | 12 .52 | 0.7 .02 | -- | -- | 13 .27 | 14 .39 | 23 .38 | 0.2 | -- | -- | -- | 161 |
| 145/21F-09A01 M 03/15/67 5061 5061 | -- | 7.7 | -- | 7.0 .35 | 30 2.47 | 12 .52 | 0.3 .01 | -- | -- | 8.0 .17 | 12 .34 | 22 .36 | 0.2 | -- | -- | -- | 150 |
| 155/16F-31N02 M 02/17/67 5050 5050 | -- | 8.2 | 1780 | 97 4.84 27 | 18 1.48 8 | 259 11.27 64 | 5.8 .15 1 | 0.0 | 119 1.95 11 | 691 14.37 78 | 71 2.00 11 | 6.1 .10 1 | -- | 1.6 | -- | 1200 1208 | 315 218 |
| 155/17F-24J01 M 11/14/66 5050 5050 | -- | 7.7 7.3 | 14600 11900 | 1720 85.83 52 | 166 13.65 8 | 1460 63.51 39 | 70 1.79 1 | 0.0 | 120 1.97 1 | 12 .25 | 5740 161.87 99 | 5.4 .09 | -- | 2.2 | -- | 11200 9234 | 4980 4885 |
| 155/17F-24K01 M 11/14/66 5050 1305 | -- | 8.4 7.9 | 657 575 | 26 1.30 | -- | -- | -- | 3.0 .10 | 125 2.05 | -- | 126 3.55 | -- | -- | -- | -- | -- | 78 0 |
| 155/17F-24K01 M 11/14/66 5050 1400 | -- | 8.2 7.9 | 661 550 | 20 1.30 21 | 2.7 .22 4 | 102 4.44 72 | 7.5 .19 3 | 0.0 | 129 2.12 36 | 6.2 .13 2 | 129 3.64 61 | 3.5 .06 1 | -- | 0.2 | -- | 379 340 | 76 0 |
| 155/17F-24H01 M 11/14/66 5050 | -- | 8.3 | 1040 | 72 3.59 40 | 6.4 .53 6 | 104 4.70 52 | 10 .26 3 | 0.0 | 125 2.05 22 | 7.6 .16 2 | 244 6.88 75 | 4.4 .08 1 | -- | 0.2 | -- | 679 514 | 206 104 |

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

| STATION | WELL NUMBER | DATE | TIME | TEMP | PH | FC LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER | | | | | MILLIGRAMS PER LITER | | | | TDS SUM | TH NCH |
|-----------------|-------------|------|-------|------|------|------------|-------------------------|------|------|-----|----------------------|------|------|------|------|----------------------|-----|------|-----|---------|--------|
| | | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | H | SI02 | | | |
| 155/22F-04001 M | 12/16/66 | 5050 | | -- | 8.5 | 514 | 36 | 15 | 46 | 4.0 | 9.0 | 184 | 59 | 5.3 | 31 | -- | 0.1 | -- | 332 | 153 | |
| 12/16/66 | | 5050 | | | | | 1.40 | 1.23 | 2.00 | .10 | .30 | 3.02 | 1.23 | .15 | .50 | | | | 296 | 0 | |
| 155/22F-04001 M | 10/06/66 | 5050 | | -- | 7.4 | 629 | 37 | 37 | 40 | 9.0 | 0.0 | 318 | 0.0 | 14 | 1.6 | -- | 0.2 | -- | 373 | 245 | |
| 10/06/66 | | 5050 | | | | | 1.85 | 3.04 | 1.74 | .23 | 5.22 | | | .39 | .03 | | | | 295 | 0 | |
| 1500 | | 5050 | | | | | 27 | 44 | 25 | 3 | 93 | | | 7 | 1 | | | | | | |
| 155/22F-04001 M | 12/16/66 | 5050 | | -- | 8.2 | 484 | 29 | 25 | 39 | 5.1 | 0.0 | 246 | 18 | 12 | 15 | -- | 0.0 | -- | 274 | 177 | |
| 12/16/66 | | 5050 | | | | | 1.45 | 2.06 | 1.31 | .13 | 4.03 | | .37 | .34 | .24 | | | | 255 | 0 | |
| 5050 | | 5050 | | | | | 29 | 42 | 24 | 3 | 81 | | 7 | 7 | 5 | | | | | | |
| 155/22F-04002 M | 12/16/66 | 5050 | | -- | 8.0 | 1280 | 94 | 88 | 63 | 8.0 | 0.0 | 447 | 18 | 40 | 0.3 | -- | 0.2 | -- | 705 | 605 | |
| 12/16/66 | | 5050 | | | | | 4.89 | 7.23 | 2.74 | .20 | 13.89 | | .37 | 1.13 | | | | | 731 | 0 | |
| 5050 | | 5050 | | | | | 32 | 48 | 14 | 1 | 90 | | 2 | 7 | | | | | | | |
| 155/23F-2/C01 M | 05/01/67 | 5050 | 65.0F | 8.7 | 354 | | 31 | 11 | 24 | 2.5 | 11 | 156 | 6.1 | 9.1 | 12 | -- | 0.0 | -- | 224 | 123 | |
| 1100 | 5061 | 5050 | | | | | 1.55 | .90 | 1.04 | .06 | .37 | 2.56 | 0.16 | .26 | .19 | | | | 238 | 0 | |
| | | | | | | | 44 | 25 | 29 | 2 | 10 | 72 | 5 | 7 | 5 | | | | | | |
| 165/22F-26601 M | 05/01/67 | 5050 | 64.0F | 8.5 | 359 | | 37 | 8.1 | 21 | 1.8 | 4.0 | 146 | 14 | 16 | 9.1 | -- | 0.0 | -- | 217 | 126 | |
| 1500 | 5061 | 5050 | | | | | 1.45 | .67 | .91 | .05 | .13 | 2.39 | .29 | .45 | .15 | | | | 183 | 0 | |
| | | | | | | | 53 | 19 | 26 | 1 | 4 | 70 | 9 | 13 | 4 | | | | | | |
| 175/27F-26401 M | 11/03/66 | 5050 | -- | 8.6 | 355 | | 31 | -- | 14 | 3.8 | 4.0 | 127 | -- | 9.2 | 24 | -- | -- | -- | -- | 124 | |
| | | 5050 | | | | | 1.55 | | .78 | .10 | .13 | 2.08 | | .26 | .39 | | | | 14 | | |
| 175/27F-32F01 M | 10/26/66 | 5050 | -- | 8.5 | 904 | | 54 | -- | 38 | 4.9 | 2.0 | 127 | -- | 42 | 115 | -- | -- | -- | 345 | 238 | |
| | | 5050 | | | | | 2.69 | | 1.65 | .13 | .07 | 2.08 | | 1.18 | 1.85 | | | | | | |
| 175/27F-32F01 M | 01/12/67 | 5050 | -- | 8.5 | 718 | | 48 | -- | -- | -- | 7.0 | 153 | -- | 25 | 54 | -- | -- | -- | 283 | 146 | |
| | | 5050 | | | | | 3.39 | | | | .23 | 2.51 | | .71 | .87 | | | | | | |
| 175/27F-33F01 M | 10/26/66 | 5050 | -- | 8.6 | 548 | | 48 | -- | 19 | 5.1 | 4.0 | 145 | -- | 14 | 47 | -- | -- | -- | 216 | 91 | |
| | | 5050 | | | | | 522 | 2.40 | .83 | .13 | .13 | 2.38 | | .39 | .76 | | | | | | |
| 175/27F-34P01 M | 10/26/66 | 5050 | -- | 8.5 | 295 | | 23 | -- | 17 | 4.2 | 2.0 | 102 | -- | 7.9 | 34 | -- | -- | -- | 100 | 13 | |
| | | 5050 | | | | | 324 | 1.15 | .74 | .11 | .07 | 1.67 | | .22 | .55 | | | | | | |
| 175/27F-35G01 M | 11/15/66 | 5050 | -- | 8.3 | 1600 | | 149 | -- | 105 | 8.0 | 0.0 | 268 | -- | 42 | 228 | -- | -- | -- | 458 | 238 | |
| | | 5050 | | | | | 8.43 | | 4.57 | .20 | | 4.40 | | 1.18 | 3.67 | | | | | | |

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE TIME | TEMP | PH LAB FLO | EC LAB FLO | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | F | B | SI02 | TDS SUM | TH NCH |
|-----------------------------------|-------|------------------|------------------|-------------------------|------------------|--------------------|-----------------|---|--------------------|--------------------|------------------|----------------------|----|----|-----|----|----|------|--------------|------------|
| | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | N03 | | | | | | | | |
| 175/27F-35G02 M 01/18/47 5050 | -- | 8.6 | 636 | 68 3.39 | -- | -- | -- | 6.0 .20 | 139 2.28 | -- | 22 .62 | 60 .97 | -- | -- | -- | -- | -- | -- | -- | 248 124 |
| 175/27F-35J01 M 10/26/46 5050 | -- | 8.6 | 464 435 | 39 1.95 | -- | 27 1.17 | 2.8 .07 | 4.0 .13 | 126 2.07 | -- | 18 .51 | 37 .60 | -- | -- | -- | -- | -- | -- | -- | 156 46 |
| 175/27F-35L01 M 10/26/46 5050 | -- | 8.7 | 847 825 | 85 4.24 | -- | 49 2.13 | 2.4 .06 | 12 .40 | 183 3.00 | -- | 24 .68 | 58 .93 | -- | -- | -- | -- | -- | -- | -- | 325 155 |
| 175/27F-35M01 M 11/15/46 5050 | -- | 8.6 | 268 270 | 34 1.70 | -- | 8.7 .38 | 2.8 .07 | 4.0 .13 | 136 2.23 | -- | 5.1 .14 | 0.7 .01 | -- | -- | -- | -- | -- | -- | -- | 116 0 |
| 185/19F-20P01 M 02/11/47 5050 | -- | 8.9 | 2260 | 9.3 .46 2 | 8.5 .70 3 | 476 20.71 94 | 1.8 .05 3 | 18 .60 3 | 208 3.41 15 | 761 15.83 71 | 87 2.45 11 | 0.5 .01 | -- | -- | 2.5 | -- | -- | -- | 1410 1467 | 58 0 |
| 185/19F-20P02 M 02/11/47 5050 | -- | 8.2 | 1280 | 73 3.64 18 | 14 1.15 6 | 352 15.31 76 | 3.6 .09 | 0.0 3.43 | 209 14.85 17 | 714 2.23 72 | 79 2.23 11 | 1.0 .02 | -- | -- | 2.2 | -- | -- | -- | 1310 1341 | 239 68 |
| 185/25F-23C01 M 05/01/47 5050 | 64.0F | 8.4 | 192 180 | 23 1.15 59 | 4.2 .35 18 | 9.4 .43 22 | 1.0 .03 2 | 2.0 .07 4 | 97 1.59 82 | 4.3 .09 5 | 4.2 .12 6 | 3.5 .06 3 | -- | -- | 0.0 | -- | -- | -- | 121 100 | 75 0 |
| 185/27F-02H01 M 11/04/46 5050 | -- | 8.5 | 1660 | 179 8.93 50 | 65 5.34 30 | 74 3.39 19 | 6.2 .16 1 | 19 .63 4 | 193 3.17 18 | 327 6.80 39 | 53 1.49 9 | 325 5.23 30 | -- | -- | 0.0 | -- | -- | -- | 1380 1147 | 714 524 |
| 185/27F-02H01 M 12/15/46 5050 | -- | 8.7 | 1690 | 174 8.68 | -- | -- | -- | 17 .57 | 205 3.36 | -- | 53 1.49 | 330 5.31 | -- | -- | -- | -- | -- | -- | -- | 715 519 |
| 185/27F-02H01 M 01/18/47 5050 | -- | 8.7 | 1680 | 179 8.43 | -- | -- | -- | 19 .63 | 195 3.20 | -- | 50 1.41 | 342 5.51 | -- | -- | -- | -- | -- | -- | -- | 714 523 |
| 185/27F-02C01 M 10/20/46 5050 | -- | 8.3 | 1450 | 142 7.09 46 | 56 4.60 30 | 79 3.44 23 | 4.8 .12 1 | 0.0 4.05 | 247 6.32 27 | 304 6.32 42 | 55 1.55 10 | 187 3.01 20 | -- | -- | 0.2 | -- | -- | -- | 1080 949 | 583 381 |
| 185/27F-02C02 M 11/15/46 5050 | -- | 8.7 | 1340 1230 | 140 6.99 | -- | 62 2.70 | 7.2 .18 | 17 .57 | 209 3.43 | -- | 45 1.27 | 198 3.19 | -- | -- | -- | -- | -- | -- | -- | 563 363 |

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE TIME | TEMP | PH LAR FLD | EC LAR FLD | MINERAL CONSTITUENTS IN | | | | MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | | MILLIGRAMS PER LITER | | |
|--|------|------------------|------------------|-------------------------|----|------------|------------|---|-------------|-----|------------|-------------|----------------------|----|------|------------|------------|----------------------|--|--|
| | | | | CA | MG | NA | K | CO3 | HC03 | SO4 | CL | NO3 | F | H | SI02 | TDS SUM | TH NCH | | | |
| 18S/27F-02001 M 11/04/66 5050 0800 | -- | 8.3 | 780 | 58 2.84 | -- | 40 1.74 | 4.5 .12 | 0.0 | 97 1.59 | -- | 34 .96 | 81 1.30 | -- | -- | -- | -- | 274 195 | | | |
| 18S/27F-02001 M 11/04/66 5050 0900 | -- | 8.5 | 969 | 95 4.74 | -- | 45 1.96 | 4.9 .13 | 4.0 .13 | 156 2.56 | -- | 40 1.13 | 108 1.74 | -- | -- | -- | -- | 372 238 | | | |
| 18S/27F-03001 M 10/26/66 5050 | -- | 8.3 | 762 | 44 2.20 | -- | 49 2.13 | 6.9 .18 | 0.0 | 107 1.75 | -- | 40 1.13 | 84 1.35 | -- | -- | -- | -- | 241 154 | | | |
| 18S/27F-08002 M 11/03/66 5050 | -- | 8.5 | 261 | 25 1.25 | -- | 19 .83 | 1.8 .05 | 2.0 .07 | 117 1.92 | -- | 6.5 .18 | 5.2 .08 | -- | -- | -- | -- | 87 0 | | | |
| 18S/27F-08003 M 11/03/66 5050 | -- | 8.6 | 465 | 50 2.50 | -- | 19 .83 | 2.5 .06 | 4.0 .13 | 138 2.26 | -- | 16 .45 | 19 .31 | -- | -- | -- | -- | 181 62 | | | |
| 18S/27F-09001 M 11/04/66 5050 0800 | -- | 8.3 | 957 | 70 3.49 | -- | 44 1.91 | 1.7 .04 | 0.0 | 80 1.31 | -- | 86 2.43 | 153 2.46 | -- | -- | -- | -- | 350 285 | | | |
| 18S/27F-09001 M 11/04/66 5050 0900 | -- | 8.3 | 988 | 73 3.64 | -- | 45 1.96 | 1.7 .04 | 0.0 | 90 1.48 | -- | 87 2.45 | 145 2.33 | -- | -- | -- | -- | 358 284 | | | |
| 18S/27F-09001 M 11/04/66 5050 1000 | -- | 8.2 | 980 | 72 3.59 | -- | 45 1.96 | 1.8 .05 | 0.0 | 87 1.43 | -- | 86 2.43 | 154 2.48 | -- | -- | -- | -- | 355 284 | | | |
| 18S/27F-10001 M 11/03/66 5050 | -- | 8.5 | 624 | 40 2.00 | -- | 33 1.44 | 6.4 .16 | 3.0 .10 | 121 1.98 | -- | 35 .99 | 42 .68 | -- | -- | -- | -- | 214 110 | | | |
| 18S/27F-11001 M 11/15/66 5050 | -- | 8.5 | 640 | 34 1.70 | -- | 38 1.65 | 5.2 .13 | 3.0 .10 | 109 1.79 | -- | 38 1.07 | 100 1.61 | -- | -- | -- | -- | 200 106 | | | |
| 18S/27F-11002 M 10/26/66 5050 | -- | 8.7 | 1170 1233 | 113 5.64 | -- | 61 2.65 | 8.1 .21 | 20 .67 | 249 4.08 | -- | 53 1.49 | 155 2.50 | -- | -- | -- | -- | 461 224 | | | |

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE LAB TIME SAMPLER | TEMP | PH LAB FIELD | EC LAB FIELD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | |
|---|-------|--------------------|--------------------|-------------------------|------|-------|-------|---|-------|------|------|----------------------|-----|-----|------|------------|
| | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | H | S102 | TDS SUM |
| 185/27F-11J01 M 11/15/66 5050 | -- | 8.7 | 424 | 17 | -- | 39 | 5.1 | 7.0 | 159 | -- | 20 | 12 | -- | -- | -- | 117 |
| | | | 520 | .85 | -- | 1.70 | .13 | .23 | 2.61 | .56 | .19 | -- | -- | -- | -- | 0 |
| 185/27F-15C01 M 11/15/66 5050 | -- | 8.2 | 444 | 38 | -- | 14 | 3.2 | 0.0 | 139 | -- | 16 | 42 | -- | -- | -- | 164 |
| | | | 400 | 1.90 | -- | .70 | .08 | 2.28 | .45 | .68 | -- | -- | -- | -- | 50 | |
| 185/27F-15F01 M 10/26/66 5050 | -- | 8.4 | 324 | 35 | -- | 12 | 3.2 | 1.0 | .47 | -- | 9.8 | 36 | -- | -- | -- | 124 |
| | | | 300 | 1.75 | -- | .52 | .08 | 1.43 | .25 | .58 | -- | -- | -- | -- | 51 | |
| 195/20F-03K02 M 05/01/67 5050 | 73.0F | 8.7 | 559 | 1.3 | 1.0 | 124 | 0.6 | 12 | 294 | 0.0 | 15 | 2.0 | -- | 0.7 | -- | 399 |
| | | | .06 | .08 | 5.44 | .02 | .40 | 4.82 | .42 | .03 | -- | 0.7 | -- | 302 | 0 | |
| 195/25F-06H02 M 11/14/66 5050 | -- | 8.1 | 246 | 35 | 2.6 | 11 | 1.2 | 0.0 | 117 | 9.4 | 7.0 | 3.6 | -- | 0.1 | -- | 155 |
| | | | 290 | 1.75 | .21 | .48 | .03 | 1.92 | .20 | .06 | -- | 0.1 | -- | 127 | 98 | |
| 195/26F-34N01 M 05/23/67 5050 | -- | 7.8 | 732 | 24 | 19 | 105 | 2.2 | 0.0 | 249 | 40 | 72 | 10 | -- | 0.2 | -- | 452 |
| | | | 800 | 1.23 | 1.56 | 4.57 | .06 | 4.08 | .83 | .16 | -- | 0.2 | -- | 394 | 0 | |
| 195/26F-34N01 M 07/05/67 5050 | -- | 8.6 | 548 | 17 | -- | -- | -- | 4.0 | 175 | -- | 54 | 6.9 | -- | -- | -- | 91 |
| | | | 460 | .85 | -- | -- | .13 | 2.87 | 1.52 | .11 | -- | -- | -- | 0 | | |
| 205/16F-31Q01 M 11/16/66 5050 | 70.0F | 8.4 | 2700 | 146 | 114 | 303 | 5.2 | 4.0 | 189 | 1090 | 156 | 5.6 | 0.5 | 2.0 | -- | 2070 |
| | | | 2450 | 7.29 | 9.37 | 13.14 | .13 | 3.10 | 22.67 | 4.40 | .09 | -- | 2.0 | -- | 1919 | 835 |
| 205/24F-10J01 M 05/01/67 5050 | 71.0F | 8.2 | 172 | 2.5 | 0.0 | 36 | -- | 0.0 | .88 | -- | 6.0 | 3.5 | -- | -- | -- | 6 |
| | | | 170 | .12 | 1.57 | -- | 1.44 | 1.44 | .17 | .06 | -- | -- | -- | 0 | | |
| 205/26F-03D01 M 10/18/66 5050 | -- | -- | 5100 | -- | -- | -- | -- | -- | -- | -- | 1360 | -- | -- | -- | -- | -- |
| | | | -- | -- | -- | -- | -- | -- | 41.18 | -- | -- | -- | -- | -- | -- | |
| 205/26F-03D01 M 11/18/66 5050 | 72.0F | 8.3 | 4730 | 71 | -- | -- | -- | 0.0 | .408 | -- | 1340 | 19 | -- | 2.6 | -- | 925 |
| | | | 4750 | 3.54 | -- | -- | 14.89 | 37.79 | .31 | -- | -- | 2.6 | -- | 181 | | |
| 205/26F-03D01 M 02/16/67 5050 | -- | -- | 5300 | -- | -- | -- | -- | -- | -- | -- | 1480 | -- | -- | -- | -- | -- |
| | | | -- | -- | -- | -- | -- | 41.74 | -- | -- | -- | -- | -- | -- | | |

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE LAH TIME SAMPLEW | TEMP | PH LAH FLD | EC LAH FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | | TDS SUM | TH NCH |
|---|-------|------------------|------------------|-------------------------|-------------------|--------------------|-----------------|---|-------------------|-----------------|--------------------|-----------------|----------------------|-----|------|--------------|-------------|------------|-----------|
| | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | H | SI02 | | | | |
| 20S/26F-03001 M 03/27/67 5050 5050 | -- | -- | 5000 5050 | -- | -- | -- | -- | -- | -- | -- | 1470 41.45 | -- | -- | -- | -- | -- | -- | -- | |
| 20S/26F-03001 M 04/18/67 5050 5050 | -- | -- | 5530 5000 | -- | -- | -- | -- | -- | -- | -- | 1940 54.71 | -- | -- | -- | -- | -- | -- | -- | |
| 20S/26F-03002 M 10/18/66 5050 5050 | -- | -- | 2740 | -- | -- | -- | -- | -- | -- | -- | 586 16.53 | -- | -- | -- | -- | -- | -- | -- | |
| 20S/26F-03002 M 11/18/66 5050 5050 | 65.0F | 8.2 | 2470 2400 | 72 3.59 | -- | -- | -- | 0.0 | 364 5.97 | -- | 553 15.59 | 18 .29 | -- | 0.9 | -- | -- | 540 242 | | |
| 20S/26F-03002 M 05/23/67 5050 5050 | -- | 8.0 | 3820 3400 | 179 8.93 26 | 117 9.62 28 | 370 16.10 46 | 8.5 .22 1 | 0.0 | 492 8.07 24 | 51 1.06 3 | 846 23.86 70 | 58 .93 3 | -- | 1.5 | -- | 2400 1872 | 929 526 | | |
| 20S/26F-03002 M 07/05/67 5050 5050 | -- | 7.8 | 3940 3600 | 199 9.93 | -- | -- | -- | 0.0 | 550 9.02 | -- | 911 25.69 | 31 .50 | -- | -- | -- | -- | 1030 579 | | |
| 20S/26F-03F01 M 10/18/66 5050 5050 | -- | -- | 2760 | -- | -- | -- | -- | -- | -- | -- | 755 21.29 | -- | -- | -- | -- | -- | -- | -- | |
| 20S/26F-03L01 M 10/18/66 5050 5050 | -- | -- | 1850 | -- | -- | -- | -- | -- | -- | -- | 392 11.05 | -- | -- | -- | -- | -- | -- | -- | |
| 20S/26F-03M01 M 10/18/66 5050 5050 | -- | -- | 712 | -- | -- | -- | -- | -- | -- | -- | 107 3.02 | -- | -- | -- | -- | -- | -- | -- | |
| 20S/26F-04C01 M 10/06/66 5050 5050 | -- | 8.5 | 430 | 12 .60 14 | 8.0 .66 16 | 66 2.87 69 | 1.5 .04 1 | 7.8 .26 6 | 154 2.53 61 | 13 .27 7 | 34 .96 23 | 7.8 .13 3 | -- | 0.1 | -- | 240 226 | 63 0 | | |
| 20S/26F-04C01 M 05/23/67 5050 5050 | -- | 8.4 | 427 390 | 14 .70 | -- | -- | -- | 2.0 .07 | 160 2.62 | -- | 31 .87 | 7.3 .12 | -- | -- | -- | -- | -- | 70 0 | |
| 20S/26F-04C01 M 07/05/67 5050 5050 | -- | 8.5 | 439 380 | 13 .65 | -- | -- | -- | 4.0 .13 | 158 2.59 | -- | 34 .96 | 6.9 .11 | -- | -- | -- | -- | 64 0 | | |

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE TIME | TEMP FLO | PH LAR FLO | EC LAR FLO | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | |
|--|-------------|------------------|------------------|-------------------------|------------------|-------------------|-----------------|---|-------------------|-------------------|-------------------|----------------|----------------------|-----|------|-------------|------------|
| | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | R | SI02 | TDS SUM | TH NCH |
| 205/26F-04H01 M 05/23/67 5050 5050 | -- | 8.1 | 1440 1300 | 93 4.64 35 | 56 4.60 35 | 84 3.83 29 | 4.8 .12 1 | 0.0 | 227 3.72 29 | 67 1.39 11 | 268 7.56 58 | 20 .32 2 | -- | 0.1 | -- | 892 708 | 464 278 |
| | | | | | | | | | | | | | | | | | |
| 205/26F-04H01 M 07/05/67 5050 5050 | -- | 8.2 | 1290 640 | 82 4.04 | -- | -- | -- | 0.0 | 216 3.54 | -- | 241 6.80 | 18 .29 | -- | -- | -- | -- | 414 237 |
| | | | | | | | | | | | | | | | | | |
| 205/26F-04R02 M 05/23/67 5050 5050 | -- | 8.1 | 1510 1350 | 93 4.64 | 48 3.95 | 118 5.13 | 4.4 .11 | 0.0 | 239 3.92 | 57 1.19 | 292 8.23 | 19 .31 | -- | 0.2 | -- | 962 526 | 429 299 |
| | | | | | | | | | | | | | | | | | |
| 205/26F-05R02 M 05/23/67 5050 5050 | -- | 8.2 | 638 590 | 28 1.40 | 17 1.40 | 68 2.96 | 2.3 .06 | 0.0 | 159 2.61 | 22 .46 | 88 2.48 | 11 .18 | -- | 0.1 | -- | 338 537 | 139 0 |
| | | | | | | | | | | | | | | | | | |
| 205/26F-05R02 M 07/05/67 5050 5050 | -- | 8.3 | 710 725 | 34 1.70 | -- | -- | -- | 0.0 | 160 2.62 | -- | 108 3.05 | 9.4 .15 | -- | -- | -- | -- | 169 38 |
| | | | | | | | | | | | | | | | | | |
| 205/26F-04H01 M 07/05/67 5050 5050 | -- | 8.5 | 864 530 | 34 1.70 22 | 18 1.48 19 | 103 4.44 54 | 2.5 .06 1 | 2.0 .07 1 | 134 2.20 29 | 29 .60 8 | 159 4.48 59 | 11 .18 2 | -- | 0.2 | -- | 467 424 | 159 46 |
| | | | | | | | | | | | | | | | | | |
| 205/26F-04A01 M 05/23/67 5050 5050 | -- | 8.3 | 1440 1610 | 113 5.64 32 | 48 3.95 22 | 182 7.92 45 | 4.3 .11 1 | 0.0 | 359 5.89 34 | 104 2.25 13 | 323 9.11 52 | 19 .31 2 | -- | 0.3 | -- | 1150 974 | 481 187 |
| | | | | | | | | | | | | | | | | | |
| 205/26F-04A01 M 07/05/67 5050 5050 | -- | 8.2 | 1840 1725 | 105 5.24 | -- | -- | -- | 0.0 | 330 5.41 | -- | 332 9.36 | 16 .26 | -- | -- | -- | -- | 475 205 |
| | | | | | | | | | | | | | | | | | |
| 205/26F-04H01 M 05/23/67 5050 5050 | -- | 8.0 | 826 775 | 42 2.10 28 | 25 2.06 27 | 75 3.26 43 | 3.1 .08 1 | 0.0 | 154 2.53 35 | 42 .87 12 | 127 3.58 49 | 21 .34 5 | -- | 0.1 | -- | 468 411 | 207 81 |
| | | | | | | | | | | | | | | | | | |
| 205/26F-04H01 M 07/05/67 5050 5050 | -- | 8.5 | 825 830 | 54 2.64 | -- | -- | -- | 6.0 .20 | 146 2.39 | -- | 129 3.64 | 20 .32 | -- | -- | -- | -- | 231 102 |
| | | | | | | | | | | | | | | | | | |
| 205/26F-04R02 M 02/02/67 5050 5050 | -- | 7.4 | 1470 | 120 5.99 41 | 50 4.11 28 | 94 4.26 29 | 4.0 .10 1 | 0.0 | 296 4.85 35 | 91 1.89 14 | 242 6.82 49 | 24 .39 3 | -- | 0.2 | -- | -- | 504 262 |
| | | | | | | | | | | | | | | | | | |
| 205/26F-09H02 M 05/23/67 5050 5050 | -- | 7.9 | 1430 1300 | 103 5.14 | -- | -- | -- | 0.0 | 277 4.54 | -- | 248 6.99 | 33 .53 | -- | -- | -- | -- | 484 257 |
| | | | | | | | | | | | | | | | | | |

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE TIME | TEMP LAR FLD | PH LAR FLD | EC LAR FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER | | | | | | | MILLIGRAMS PER LITER | | | | |
|-----------------------------------|--------------------|------------------|------------------|-------------------------|-------|------|-----|----------------------|------|------|------|-----|----|-----|----------------------|------------|-----------|--|--|
| | | | | CA | MG | NA | K | CO3 | HCO3 | 504 | CL | NO3 | F | B | SI02 | TDS SUM | TH NCH | | |
| 20S/26F-0402 M 07/05/67 5050 | -- | 8.1 | 1230 | 94 | -- | -- | -- | 0.0 | 215 | -- | 205 | 36 | -- | -- | -- | -- | 424 | | |
| | | | 1175 | 4.69 | | | | 3.53 | | 5.78 | .58 | | | | | 248 | | | |
| 20S/26F-0901 M 05/23/67 5050 | -- | 8.2 | 1160 | 45 | 44 | 65 | 4.3 | 0.0 | 244 | 52 | 182 | 41 | -- | 0.1 | -- | 674 | | | |
| | | | 1050 | 4.24 | 3.62 | 2.83 | .11 | 4.00 | 1.08 | 5.13 | .66 | | | | 593 | 392 | | | |
| 20S/26F-0401 M 07/05/67 5050 | -- | 8.5 | 831 | 56 | -- | -- | -- | 4.0 | 173 | -- | 135 | 22 | -- | -- | -- | 273 | | | |
| | | | 875 | 2.79 | | | | .13 | 2.84 | 3.81 | .35 | | | | 125 | | | | |
| 20S/26F-0401 M 05/23/67 5050 | -- | 8.1 | 1120 | 92 | -- | -- | -- | 0.0 | 209 | -- | 197 | 32 | -- | -- | -- | 405 | | | |
| | | | 1100 | 4.59 | | | | 3.43 | | 5.56 | .52 | | | | 234 | | | | |
| 20S/26F-0901 M 07/05/67 5050 | -- | 8.5 | 1200 | 105 | -- | -- | -- | 4.0 | 204 | -- | 202 | 35 | -- | -- | -- | 467 | | | |
| | | | 1190 | 5.24 | | | | .13 | 3.35 | 5.70 | .56 | | | | 293 | | | | |
| 20S/26F-1002 M 05/23/67 5050 | -- | 8.3 | 1200 | 75 | 36 | 102 | 7.0 | 0.0 | 252 | 65 | 192 | 16 | -- | 0.1 | -- | 704 | | | |
| | | | 1140 | 3.74 | 2.96 | 4.44 | .18 | 4.13 | 1.35 | 5.41 | .26 | | | | 617 | 335 | | | |
| 20S/26F-1003 M 07/05/67 5050 | -- | 8.2 | 821 | 54 | -- | -- | -- | 0.0 | 159 | -- | 140 | 21 | -- | -- | -- | 251 | | | |
| | | | 825 | 2.69 | | | | 2.61 | | 3.95 | .34 | | | | 121 | | | | |
| 20S/27F-0702 M 05/01/67 5050 | 74.0F | 8.6 | 994 | 70 | 36 | 64 | 4.4 | 7.0 | 167 | 39 | 172 | 45 | -- | 0.1 | -- | 566 | | | |
| | | | 900 | 3.47 | 2.96 | 2.96 | .11 | .23 | 2.74 | .81 | 4.85 | .72 | | | 523 | 323 | | | |
| 21S/27F-3501 M 05/01/67 5050 | 64.0F | 8.5 | 302 | 40 | 7.5 | 24 | 1.5 | 4.0 | 165 | 13 | 13 | 12 | -- | 0.1 | -- | 218 | | | |
| | | | 300 | 2.00 | .62 | 1.04 | .04 | .13 | 2.71 | .27 | .37 | .19 | | | 196 | 0 | | | |
| 24S/19F-1203 M 01/19/67 5050 | -- | 8.4 | 5420 | 236 | -- | 785 | -- | 4.0 | 250 | -- | 291 | 8.2 | -- | -- | -- | 1620 | | | |
| | | | 11.7H | | 34.15 | | .13 | 4.10 | | 4.21 | .13 | | | | 1410 | | | | |
| 24S/25F-2401 M 03/23/67 5050 | -- | 8.3 | 291 | 17 | 1.3 | 34 | 1.4 | 0.0 | 90 | 12 | 23 | 17 | -- | 0.1 | -- | 140 | | | |
| | | | 275 | .45 | .11 | 1.66 | .05 | 1.48 | .25 | .65 | .27 | | | 154 | 48 | | | | |
| 24S/25F-2601 M 03/23/67 5050 | -- | 7.9 | 844 | 65 | 3.2 | -- | -- | 0.0 | 54 | -- | 127 | 22 | -- | -- | -- | 175 | | | |
| | | | 650 | 3.24 | .26 | | | .89 | | 3.58 | .35 | | | | 131 | | | | |

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE TIME | TEMP | PH LAB FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER TDS SUM | | | | |
|-----------------------------------|------|------------------|-------------------------|------------------|-------------------|-------------------|---|-------------------|-------------------|------------------|-------------------|------------------------------------|-----|------|------------|------------|
| | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | R | SI02 | TDS SUM | TH NCH |
| 245/25F-36F02 M 03/23/67 5050 | -- | 8.4 | 34 1.70 | 20 1.65 | -- | -- | 9.0 .30 | 192 3.15 | -- | 68 1.92 | 73 1.14 | -- | -- | -- | -- | 166 0 |
| 245/26F-31L02 M 03/23/67 5050 | -- | 8.0 | 11 55 12 | 1.1 .09 2 | 90 3.92 45 | 1.4 .05 1 | 0.0 3.15 68 | 192 3.15 10 | 23 .48 10 | 31 .87 19 | 7.1 .11 2 | -- | 0.4 | -- | 253 259 | 32 0 |
| 255/25F-01J01 M 03/23/67 5050 | -- | 8.3 | 470 475 | 30 1.50 | 5.4 .44 | -- | 0.0 1.44 | 88 1.44 | -- | 35 .99 | 72 1.16 | -- | -- | -- | -- | 97 25 |
| 255/25F-01F01 M 03/23/67 5050 | -- | 8.5 | 320 1.10 | 22 .02 | 0.2 0.02 | -- | 9.0 .30 | 95 1.56 | -- | 17 .48 | 14 .23 | -- | -- | -- | -- | 56 0 |
| 255/25F-02H01 M 03/23/67 5050 | -- | 8.6 | 329 291 | 30 1.50 | 3.6 .30 | -- | 9.0 .30 | 108 1.77 | -- | 14 .39 | 6.0 .10 | -- | -- | -- | -- | 90 0 |
| 255/25F-02H02 M 03/23/67 5050 | -- | 8.6 | 512 437 | 39 1.95 | 6.0 .49 | -- | 10 .33 | 104 1.71 | -- | 37 1.04 | 47 .76 | -- | -- | -- | -- | 122 20 |
| 255/25F-03H01 M 03/23/67 5050 | -- | 7.6 | 1130 4.49 42 | 18 1.48 14 | 106 4.61 43 | 5.1 .13 1 | 0.0 3.41 32 | 208 3.41 32 | 119 2.48 23 | 82 2.31 22 | 151 2.43 23 | -- | 0.0 | -- | 690 673 | 297 127 |
| 255/25F-10A01 M 03/23/67 5050 | -- | 8.4 | 553 446 | 45 2.25 | 2.2 .18 | -- | 4.0 .13 | 98 1.61 | -- | 51 1.44 | 36 .58 | -- | -- | -- | -- | 121 34 |
| 255/25F-11E01 M 03/23/67 5050 | -- | 8.5 | 516 447 | 41 2.05 | 3.2 .26 | -- | 4.0 .13 | 93 1.53 | -- | 49 1.38 | 28 .45 | -- | -- | -- | -- | 115 32 |
| 255/25F-11H01 M 03/23/67 5050 | -- | 8.3 | 563 497 | 38 1.90 | 2.9 .24 | -- | 0.0 1.38 | 84 1.38 | -- | 52 1.47 | 53 .45 | -- | -- | -- | -- | 107 38 |
| 255/25F-11J01 M 03/23/67 5050 | -- | 8.0 | 755 646 | 51 2.54 40 | 3.9 .32 5 | 7.0 3.44 54 | 0.0 1.23 19 | 75 1.23 19 | 66 1.37 21 | 82 2.31 36 | 96 1.55 24 | -- | 0.1 | -- | 471 417 | 143 82 |
| 255/25F-11L01 M 03/23/67 5050 | -- | 8.2 | 772 669 | 51 2.54 | 3.4 .28 | -- | 0.0 1.12 | 68 1.12 | -- | 117 3.30 | 38 .61 | -- | -- | -- | -- | 141 85 |

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

| STATE | WELL NUMBER | DATE | TIME | TEMP | PH | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER | | | | | | | MILLIGRAMS PER LITER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | LAH | EC | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | N03 | F | H | SI02 | TDS | TH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LAH | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD | FLD</ |

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE LAH TIME SAMPLER | TEMP | PH LAH FLD | EC LAH FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | |
|---|------|------------------|------------------|-------------------------|------------------|------------------|-----------------|---|-------------------|-------------------|-------------------|-----------------|----------------------|-----|------------------|------------|------------|
| | | | | CA | MG | NA | K | CO ₃ | HCO ₃ | SO ₄ | CL | NO ₃ | F | H | SI0 ₂ | TDS SUM | TH NCH |
| 255/27F-09001 M 08/15/67 5050 5050 | -- | 8.0 | 427 400 | 40 2.00 41 | 5.4 .44 9 | 53 2.31 47 | 6.1 .16 3 | 0.0 | 141 2.31 49 | 54 1.21 25 | 42 1.18 25 | 3.3 .05 1 | 0.2 | 0.1 | -- | 308 277 | 122 7 |
| 255/27F-11001 M 08/15/67 5050 5050 | -- | 8.2 | 423 450 | 34 1.70 40 | 4.8 .72 17 | 41 1.74 41 | 3.7 .09 2 | 0.0 | 168 2.76 66 | 39 .81 19 | 22 .62 15 | 0.8 .01 | 0.1 | 0.1 | -- | 241 232 | 121 0 |
| 255/27F-15001 M 08/15/67 5050 5050 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.4 | 0.1 | -- | -- | -- |
| 255/27F-22001 M 08/15/67 5050 5050 | -- | 7.8 | 442 400 | 39 1.95 44 | 8.4 .69 16 | 37 1.61 36 | 7.3 .19 4 | 0.0 | 146 2.39 55 | 58 1.21 28 | 24 .68 16 | 2.1 .03 1 | 0.2 | 0.1 | -- | 304 248 | 132 13 |
| 255/27F-23001 M 08/15/67 5050 5050 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.2 | 0.0 | -- | -- | -- |
| 255/27F-23001 M 09/18/67 5050 5050 | -- | 7.8 | 531 | 44 2.20 42 | 3.8 .31 6 | 54 2.52 44 | 6.0 .15 3 | 0.0 | 168 2.76 53 | 84 1.75 34 | 25 .71 14 | 0.2 | 0.2 | 0.0 | -- | 330 304 | 140 2 |
| 255/27F-27001 M 09/19/67 5050 5050 | -- | 7.8 | 610 | 38 1.90 33 | 4.6 .38 7 | 76 3.31 57 | 6.8 .17 3 | 0.0 | 142 2.33 41 | 88 1.83 32 | 54 1.52 27 | 0.4 .01 | 0.3 | 0.1 | -- | 384 338 | 130 14 |
| 255/27F-28001 M 08/15/67 5050 5050 | -- | 7.9 | 742 650 | 64 3.39 43 | 16 1.32 17 | 69 3.00 34 | 10 .26 3 | 0.0 | 135 2.21 28 | 184 3.83 49 | 58 1.64 21 | 11 .18 2 | 0.0 | 0.0 | -- | 510 482 | 236 126 |
| 255/27F-28002 M 08/15/67 5050 5050 | -- | 8.0 | 550 440 | 22 1.10 20 | 6.6 .54 10 | 85 3.70 64 | 5.2 .13 2 | 0.0 | 133 2.18 41 | 86 1.79 34 | 44 1.24 24 | 2.9 .05 1 | 0.4 | 0.2 | -- | 340 317 | 82 0 |
| 265/25F-02002 M 03/23/67 5050 5050 | -- | 8.4 | 934 745 | 87 4.34 | 20 1.64 | -- | -- | 3.0 .10 | 85 1.39 | -- | 137 3.86 | 75 1.21 | -- | -- | -- | -- | 299 225 |
| 265/25F-03001 M 09/21/67 5050 5050 | -- | -- | -- 500 | -- | -- | -- | -- | -- | -- | -- | -- | 42 .68 | -- | -- | -- | -- | -- |
| 265/25F-05001 M 03/23/67 5050 5050 | -- | 7.4 | 844 825 | 90 4.49 57 | 4.2 .35 4 | 64 2.96 34 | 1.0 .03 | 0.0 | 58 .95 12 | 105 2.18 28 | 137 3.86 50 | 44 .71 9 | -- | 0.0 | -- | 490 478 | 242 195 |

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE TIME | TEMP F/D | PH F/D | FC F/D | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUE | | | | F | B | MILLIGRAMS PER LITER | | TDS SUM | TH NCH |
|-----------------------------------|-------------|-----------|--------------|-------------------------|-----------------|-------------------|-----------------|---|-------------------|-------------------|-------------------|------------------|----|----------------------|----|------------|------------|
| | | | | CA | MG | NA | K | CO ₃ | HCO ₃ | SO ₄ | CL | N03 | | | | | |
| 26S/25F-14P01 M 03/23/47 5050 | -- | 8.0 | 304 | 30 1.50 49 | 2.9 .24 4 | 29 1.26 41 | 1.5 .04 1 | 0.0 | 135 2.21 76 | 11 .23 8 | 10 .28 10 | 12 .19 7 | -- | 0.0 | -- | 141 163 | 87 0 |
| 26S/25F-23H01 M 03/23/47 5050 | -- | 8.0 | 327 | 33 1.65 53 | 0.1 .01 5 | 32 1.34 45 | 1.8 .05 2 | 0.0 | 106 1.74 58 | 16 .33 11 | 31 .87 29 | 4.5 .07 2 | -- | 0.0 | -- | 150 170 | 83 0 |
| 26S/26F-03A01 M 09/21/47 5050 | -- | -- | -- 1100 | -- | -- | -- | -- | -- | -- | -- | -- | 24 .39 | -- | -- | -- | -- | -- |
| 26S/26F-03J01 M 09/21/47 5050 | -- | -- | -- 875 | -- | -- | -- | -- | -- | -- | -- | -- | 2.9 .05 | -- | -- | -- | -- | -- |
| 26S/26F-05H01 M 03/23/47 5050 | -- | 8.0 | 863 680 | 42 2.10 | 3.6 .30 | -- | -- | 0.0 | 46 .75 | -- | 106 2.99 | 64 1.03 | -- | -- | -- | -- | 120 83 |
| 26S/26F-05P01 M 03/23/47 5050 | -- | 7.5 | 923 860 | 61 3.04 37 | 4.9 .40 5 | 104 4.61 57 | 2.4 .06 1 | 0.0 | 46 .75 9 | 130 2.70 33 | 112 3.16 39 | 93 1.50 18 | -- | 0.0 | -- | 542 532 | 172 135 |
| 26S/26F-05P01 M 09/21/47 5050 | -- | -- | -- 750 | -- | -- | -- | -- | -- | -- | -- | -- | 45 1.37 | -- | -- | -- | -- | -- |
| 26S/26F-06F02 M 03/23/47 5050 | -- | 8.0 | 1230 940 | 129 6.44 | 18 1.48 | -- | -- | 0.0 | 71 1.16 | -- | 128 3.61 | 80 1.29 | -- | -- | -- | -- | 395 337 |
| 26S/26F-07J01 M 03/23/47 5050 | -- | 8.0 | 760 712 | 62 3.09 | 4.8 .39 | -- | -- | 0.0 | 64 1.05 | -- | 109 3.07 | 76 1.22 | -- | -- | -- | -- | 174 122 |
| 26S/26F-08G01 M 03/23/47 5050 | -- | 8.2 | 942 735 | 77 3.84 | 13 1.07 | -- | -- | 0.0 | 54 .89 | -- | 99 2.79 | 76 1.22 | -- | -- | -- | -- | 244 200 |
| 26S/26F-09M01 M 03/23/47 5050 | -- | 8.4 | 2570 2420 | 302 15.07 | 45 3.70 | -- | -- | 5.0 .17 | 96 1.57 | -- | 164 4.62 | 165 2.66 | -- | -- | -- | -- | 939 853 |

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

| STATE WELL NUMBER DATE TIME | TEMP | PH LAR FLD | EC LAR FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | | TDS SUM | TH NCH |
|--|-------|------------------|------------------|-------------------------|------------------|------------------|-----------------|---|-------------------|-------------------|--------------------|-----------------|----------------------|-----|------|--------------|------------|------------|-----------|
| | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | B | SI02 | | | | |
| 26S/26F-17401 M 03/23/67 5050 5050 | -- | 8.0 | 495 445 | 74 3.89 | 7.2 .59 | -- | -- | 0.0 | 52 .85 | -- | 144 4.06 | 87 1.40 | -- | -- | -- | -- | 224 182 | | |
| 26S/26F-19F02 M 09/21/67 5050 5050 | -- | -- | -- 340 | -- | -- | -- | -- | -- | -- | -- | -- | 24 .39 | -- | -- | -- | -- | -- | | |
| 26S/26F-20J01 M 03/23/67 5050 5050 | -- | 8.0 | 1330 1010 | 154 7.84 | 9.1 .75 | -- | -- | 0.0 | 59 .97 | -- | 189 5.33 | 138 2.22 | -- | -- | -- | -- | 432 384 | | |
| 26S/26F-22C01 M 09/21/67 5050 5050 | -- | -- | -- 520 | -- | -- | -- | -- | -- | -- | -- | -- | 3.6 .06 | -- | -- | -- | -- | -- | | |
| 26S/26F-22G01 M 09/21/67 5050 5050 | -- | -- | -- 430 | -- | -- | -- | -- | -- | -- | -- | -- | 35 .56 | -- | -- | -- | -- | -- | | |
| 26S/26F-28F01 M 09/21/67 5050 5050 | -- | -- | -- 880 | -- | -- | -- | -- | -- | -- | -- | -- | 30 .48 | -- | -- | -- | -- | -- | | |
| 27S/26F-22H01 M 04/03/67 5403 5415 | -- | 7.6 | 1212 | 100 5.01 49 | 13 1.09 11 | 92 4.03 39 | 3.3 .08 1 | 0.0 | 103 1.69 17 | 35 .74 7 | 271 7.66 76 | -- | 0.1 | .22 | -- | 567 567 | 305 221 | | |
| 27S/26F-27A01 M 10/06/66 5403 5703 | -- | 8.9 | 455 | 8.0 .40 10 | 3.2 .26 7 | 66 2.84 75 | 10 .28 7 | 19 .64 18 | 97 1.59 45 | 4.4 .10 3 | 41 1.18 34 | -- | 0.9 | .14 | -- | 216 203 | 33 0 | | |
| 27S/26F-27H01 M 03/15/67 5403 5415 | -- | 7.4 | 2326 | 284 14.17 67 | 55 4.53 21 | 57 2.44 12 | 4.2 .11 1 | 0.0 | 180 2.95 14 | 202 4.21 20 | 496 14.00 66 | -- | 0.1 | .10 | -- | 1842 1188 | 936 788 | | |
| 29S/23F-13L01 M 05/02/67 5050 5415 | 64.0F | 8.2 | 379 340 | 13 .45 20 | 2.1 .17 5 | 56 2.44 75 | 0.2 .01 | 0.0 | 59 .97 30 | 52 1.08 33 | 42 1.18 36 | 0.9 .01 | -- | 0.2 | -- | 218 195 | 41 0 | | |
| 29S/23F-36S01 M 05/02/67 5050 5050 | 66.0F | 8.2 | 247 240 | 28 1.40 | 4.1 .34 | 14 .83 | -- | 0.0 | 109 1.79 | -- | 16 .45 | 2.2 .04 | -- | -- | -- | -- | 87 0 | | |
| 30S/25F-21L01 M 05/02/67 5050 5050 | 64.0F | 8.4 | 242 225 | 13 .65 27 | 1.6 .13 5 | 37 1.61 67 | 0.7 .02 1 | 1.0 .03 1 | 101 1.66 69 | 20 .42 17 | 10 .28 12 | 1.0 .02 1 | -- | 0.2 | -- | 140 134 | 39 0 | | |

TABLE E-1 (cont.)
MINERAL ANALYSFS OF GROUND WATER

| STATE WELL NUMBER DATE LAR TIME SAMPLER | TEMP | PH LAR FLD | EC LAR FLD | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER PERCENT REACTANCE VALUF | | | | | | MILLIGRAMS PER LITER | | | | | TDS SUM | TH NCH |
|---|-------|------------------|------------------|-------------------------|------------------|-------------------|-----------------|---|--------------------|-------------------|-------------------|-----------------|-----|----------------------|------|--------------|------------|----|------------|-----------|
| | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | F | H | SI02 | | | | | |
| 305/28F-05001 M 03/08/67 5050 5000 | -- | 8.1 | -- | 26 1.34 | 4.6 .38 | 17 .77 | 2.4 .06 | -- | -- | 16 .34 | 11 .34 | 1.1 .02 | 0.2 | -- | -- | -- | 86 | 86 | | |
| 305/28F-25001 M 05/15/67 5050 1240 5050 | -- | 8.4 | 526 450 | 46 2.30 45 | 9.5 .78 15 | 44 1.91 37 | 4.4 .11 2 | 3.0 .10 2 | 217 3.56 69 | 51 1.06 20 | 16 .45 9 | 0.9 .01 | -- | 0.2 | -- | 286 281 | 154 0 | | | |
| 305/28F-25002 M 05/15/67 5050 1245 5050 | -- | 8.3 | 536 475 | 47 2.35 42 | 13 1.07 19 | 47 2.04 37 | 4.4 .11 2 | 0.0 3.79 72 | 231 .96 18 | 46 .54 10 | 19 .54 10 | 0.7 .01 | -- | 0.2 | -- | 307 290 | 169 0 | | | |
| 305/28F-25001 M 05/15/67 5050 1020 5050 | 71.0F | 8.4 | 940 850 | 91 4.04 43 | 11 .90 10 | 100 4.35 46 | 6.0 .15 2 | 7.0 .23 2 | 263 4.31 45 | 81 1.68 17 | 122 3.44 36 | 0.0 | -- | 0.4 | -- | 579 537 | 249 22 | | | |
| 305/28F-25001 M 05/16/67 5050 1400 5050 | -- | 8.1 | 1520 | 122 6.09 41 | 30 2.47 17 | 134 6.00 41 | 7.5 .19 1 | 0.0 5.67 38 | 346 2.83 19 | 136 6.49 43 | 230 6.49 43 | 2.0 .03 | -- | 0.6 | -- | 978 836 | 427 144 | | | |
| 305/28F-25001 M 05/15/67 5050 1325 5050 | -- | 8.1 | 2240 | 232 11.58 47 | 73 6.00 24 | 161 7.00 24 | 10 .26 1 | 0.0 4.81 19 | 293 12.17 48 | 585 8.09 32 | 287 8.09 32 | 14 .23 1 | -- | 1.0 | -- | 1680 1507 | 879 639 | | | |
| 305/28F-25002 M 05/15/67 5050 1345 5050 | -- | 8.3 | 1200 1200 | 125 6.24 49 | 32 2.63 21 | 44 3.65 29 | 6.3 .16 1 | 0.0 3.36 26 | 205 4.14 33 | 199 5.10 40 | 181 5.10 40 | 6.8 .11 1 | -- | 0.3 | -- | 837 735 | 446 278 | | | |
| 305/29F-30001 M 05/15/67 5050 1310 5050 | -- | 8.5 | 677 575 | 64 3.19 49 | 12 .99 15 | 50 2.14 34 | 5.0 .13 2 | 7.0 .23 3 | 210 3.44 51 | 49 1.02 15 | 70 1.97 29 | 2.0 .03 | -- | 0.2 | -- | 365 362 | 211 28 | | | |

TRACE MINERAL ANALYSES OF GROUND WATER

This table presents spectrographic analyses performed by the U. S. Geological Survey Laboratory in Sacramento. The definitions of symbols and of abbreviations used in this table are as follows:

Chemical Symbols

| | | | |
|----|-----------|----|------------|
| AL | Aluminum | GA | Gallium |
| AS | Arsenic | GE | Germanium |
| BE | Beryllium | LI | Lithium |
| BI | Bismuth | MN | Manganese |
| BR | Bromine | MO | Molybdenum |
| CD | Cadmium | NI | Nickel |
| CO | Cobalt | PB | Lead |
| CR | Chromium | TI | Titanium |
| CU | Copper | V | Vanadium |
| FE | Iron | ZN | Zinc |

Abbreviations

| | | | |
|-----|----------------------|---|--------------------------------|
| LAB | Laboratory | U | Micrograms per liter |
| M | Milligrams per liter | Y | Less than the amount indicated |

TABLE E-2

TRACE MINERAL ANALYSES OF GROUND WATER

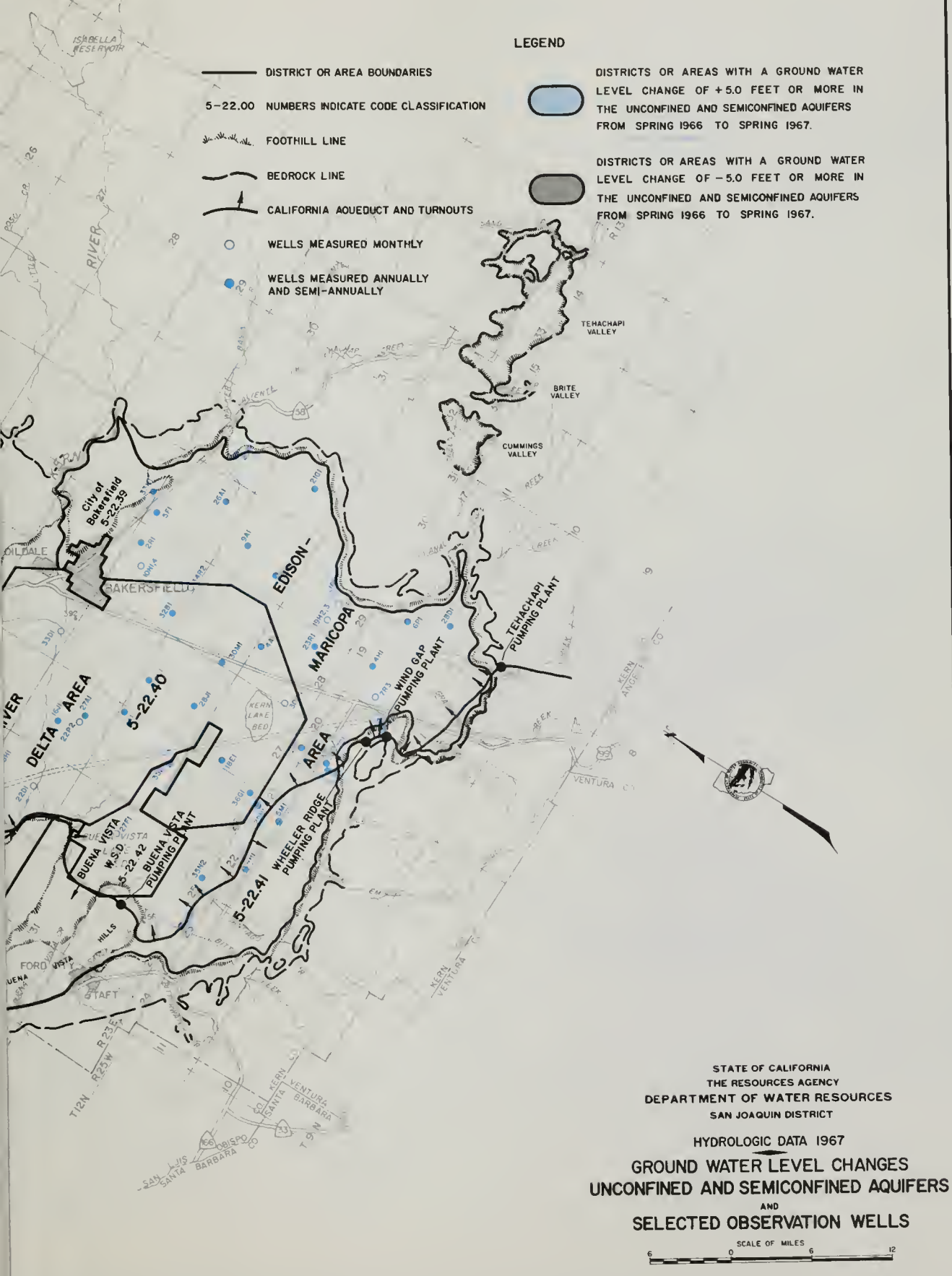
| STATE WELL NO. | DATE | LAB | AL LI | AS MN | BE MO | BI NI | BR PB | CD TI | CO V | CR ZN | CU SR | FE | GA | GE |
|-----------------|----------|------|------------------|------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------|---------|---------|
| 03S/09E-17N01 M | 10-26-66 | 5050 | -- | 000.1U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03S/09E-19B01 M | 10-25-66 | 5050 | -- | 000.1U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03S/09E-20N01 M | 10-24-66 | 5050 | -- | 000.1U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 04S/09E-08A01 M | 10-26-66 | 5050 | -- | 000.0U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 04S/09E-08B01 M | 10-25-66 | 5050 | -- | 000.1U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 04S/09E-08C01 M | 10-26-66 | 5050 | -- | 000.1U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 04S/09E-09B01 M | 10-25-66 | 5050 | -- | 000.1U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 04S/09E-09B02 M | 10-25-66 | 5050 | -- | 000.0U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 04S/09E-09N01 M | 10-25-66 | 5050 | -- | 000.0U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 05S/08E-30A01 M | 05-00-67 | 5705 | 000.5UY | 0.025U | 0.045U | 0.005U | 0.008U | -- | 0.021U | 00.09U 00.12U | 0.045U 003.8U | 00.17U | -- | -- |
| 06S/20E-10L M | 02-14-67 | 5000 | 0016.U | -- | -- | -- | -- | -- | -- | -- | 0054.U | -- | -- | -- |
| 07S/20E-01N M | 02-18-67 | 5000 | 0146.U 0002.U | 000.1U 0163.U | 000.6UY 000.3UY | 000.3UY 003.7U | 001.4UY 001.4UY | 001.4UY 000.6UY | 001.4UY 000.3UY | 001.4UY 005.7UY | 001.4UY 0002.U | 0149.U | 005.7UY | 000.3UY |
| 11S/18E-10B01 M | 12-14-66 | 5050 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0028.U | -- | -- |
| 12S/20E-32A01 M | 03-20-67 | 5061 | -- | 00.01UY | -- | -- | -- | -- | -- | -- | -- | 000.1UY | -- | -- |
| 13S/15E-30B01 M | 11-03-66 | 5050 | 000.0U | 000.0U | -- | -- | 000.0U | -- | -- | 000.0U | 000.1U | 002.8U | -- | -- |
| 13S/15E-30B04 M | 11-03-66 | 5050 | 000.0U | 000.0U | -- | -- | 000.0U | -- | -- | 000.0U | 000.0U | 000.7U | -- | -- |
| 13S/20E-10K01 M | 03-20-67 | 5061 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 000.1U | -- | -- |
| 13S/20E-16L01 M | 03-15-67 | 5061 | -- | 00.01UY | -- | -- | -- | -- | -- | -- | -- | 000.1U | -- | -- |
| 13S/20E-17A01 M | 03-20-67 | 5061 | -- | 00.01UY | -- | -- | -- | -- | -- | -- | -- | 000.1U | -- | -- |
| 13S/20E-21F01 M | 03-15-67 | 5061 | -- | 000.1UY | -- | -- | -- | -- | -- | -- | -- | 000.2U | -- | -- |
| 13S/20E-25E02 M | 03-20-67 | 5061 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 000.1U | -- | -- |
| 13S/20E-28C01 M | 03-15-67 | 5061 | -- | 000.1UY | -- | -- | -- | -- | -- | -- | -- | 000.1UY | -- | -- |
| 13S/20E-36K01 M | 03-15-67 | 5061 | -- | 00.01UY | -- | -- | -- | -- | -- | -- | -- | 000.1U | -- | -- |
| 13S/21E-07G02 M | 03-20-67 | 5061 | -- | 00.01UY | -- | -- | -- | -- | -- | -- | -- | 000.1UY | -- | -- |
| 13S/21E-31E02 M | 03-15-67 | 5061 | -- | 000.1UY | -- | -- | -- | -- | -- | -- | -- | 000.1UY | -- | -- |
| 13S/21E-31E02 M | 05-00-67 | 5705 | 000.5UY | -- | 0.018U | 0.005U | 0.007U | -- | 00.18U | 0.011U 00.12U | 0.015U 001.3U | 0.045U -- | -- | -- |
| 13S/21E-31G01 M | 03-20-67 | 5061 | -- | 00.01UY | -- | -- | -- | -- | -- | -- | -- | 000.1UY | -- | -- |

TABLE E-2 (cont.)
TRACE MINERAL ANALYSES OF GROUND WATER

| STATE WELL NO. | DATE | LAB | AL LI | AS MN | BE MO | BI NI | BR PB | CD TI | CO V | CR ZN | CU SR | FE | GA | GE |
|-----------------|----------|------|----------|------------------|--------------------|-------------------|----------|--------------------|-------------------|--------------------|-------------------|---------|---------|---------|
| 13S/21E-31A01 M | 03-20-67 | 5061 | -- | -- 00.01UY | -- | -- | -- | -- | -- | -- | -- | 00.15U | -- | -- |
| 14S/19E-07A01 M | 03-15-67 | 5061 | -- | 000.1UY | -- | -- | -- | -- | -- | -- | -- | 000.1UY | -- | -- |
| 14S/19E-21A01 M | 03-20-67 | 5061 | -- | 0001.U | -- | -- | -- | -- | -- | -- | -- | 000.1U | -- | -- |
| 14S/19E-22P01 M | 03-20-67 | 5061 | -- | 000.1U | -- | -- | -- | -- | -- | -- | -- | 000.1U | -- | -- |
| 14S/20E-08A01 M | 03-15-67 | 5061 | -- | 000.1UY | -- | -- | -- | -- | -- | -- | -- | 000.1UY | -- | -- |
| 14S/20E-09L02 M | 03-20-67 | 5061 | -- | 00.01UY | -- | -- | -- | -- | -- | -- | -- | 000.1U | -- | -- |
| 14S/20E-12P01 M | 03-15-67 | 5061 | -- | 000.1UY | -- | -- | -- | -- | -- | -- | -- | 000.1UY | -- | -- |
| 14S/20E-24B01 M | 03-15-67 | 5061 | -- | 000.1UY | -- | -- | -- | -- | -- | -- | -- | 000.1UY | -- | -- |
| 14S/21E-06B01 M | 03-15-67 | 5061 | -- | 000.1UY | -- | -- | -- | -- | -- | -- | -- | 000.1UY | -- | -- |
| 14S/21E-09R01 M | 03-15-67 | 5061 | -- | 000.1U | -- | -- | -- | -- | -- | -- | -- | 000.3U | -- | -- |
| 15S/16E-31M02 M | 02-17-67 | 5050 | 000.3U | 000.1U 000.9U | -- | -- | 000.0U | -- | -- | -- | 000.0U | 000.6U | -- | -- |
| 15S/23E-27C01 M | 05-00-67 | 5705 | 000.5UY | -- 0.013U | 0.012U | 0.005UY | -- | -- | -- | 000.0U | 0.015U 001.2U | 000.1U | -- | -- |
| 16S/25E-26C01 M | 05-00-67 | 5705 | 000.5UY | -- 0.006U | 0.017U | 0.005UY | -- | -- | 00.34U | 0.007U 00.09U | 0.008U 001.9U | 0.024U | -- | -- |
| 18S/19E-20P01 M | 02-11-67 | 5050 | 000.3U | 000.0U 000.0U | -- | -- | 000.0U | -- | -- | -- | 000.0U | 000.4U | -- | -- |
| 18S/19E-20P02 M | 02-11-67 | 5050 | 000.2U | 000.0U 001.8U | -- | -- | 000.0U | -- | -- | -- | 000.0U | 000.5U | -- | -- |
| 18S/25E-25C01 M | 05-00-67 | 5705 | 000.5UY | -- 0.005UY | 00.01U | 0.005U | 00.06U | -- | -- | 0.005U 0.017U | 0.009U 001.1U | 0.013U | -- | -- |
| 18S/27E-02B01 M | 11-04-66 | 5000 | 0019.U | -- 003.3UY | 001.3UY 00.67UY | 00.67UY 0016.U | -- | 003.3UY 001.3UY | 003.3UY 0017.U | 003.3UY 0013.UY | 003.3UY | 0014.U | 0013.UY | 00.67UY |
| 19S/20E-03K02 M | 05-00-67 | 5705 | 001.4U | -- 00.12U | 00.12U | 0.009U | 00.14U | -- | -- | 0.005UY 0.022U | 00.32U 000.2UY | 002.2U | -- | -- |
| 20S/16E-31A01 M | 11-16-66 | 5050 | 000.1U | 000.0U 000.5U | -- | -- | 000.0U | -- | -- | -- | 000.0U | 006.6U | -- | -- |
| 20S/24E-10B01 M | 05-00-67 | 5705 | 000.5UY | -- 0.014U | 0.022U | 0.005UY | 00.08U | -- | -- | 0.013U 00.02U | 0.012U 000.2UY | 0.022U | -- | -- |
| 20S/27E-07M02 M | 05-00-67 | 5705 | 000.5UY | -- 0.005UY | 0.025U | 0.005UY | -- | -- | -- | 0.005U 0.027U | 0.007U 0004.U | 0.008U | -- | -- |
| 21S/27E-35H M | 05-00-67 | 5705 | 000.5UY | -- 0.005UY | 0.023U | 0.008U | 0.008U | -- | 000.1U | 0.005U 0.075U | 0.018U 001.8U | 0.015U | -- | -- |
| 24S/25E-24P01 M | 03-00-67 | 5705 | 000.6UY | -- 00.01U | 00.02U | 0.005UY | 0.012U | -- | -- | 0.015U 0.017U | 0.037U 001.5U | 0.021U | -- | -- |
| 24S/26E-31L02 M | 03-00-67 | 5705 | 000.6UY | -- 00.35U | 00.14U | 0.006U | 0.012U | -- | 00.24U | 0.005U 0.012U | 0.012U 000.6U | 000.1U | -- | -- |
| 25S/25E-11J01 M | 03-00-67 | 5705 | 000.6UY | -- 0.035U | 0.032U | 0.005U | 00.05U | -- | -- | 0.008U 0.055U | 00.09U 004.8U | 00.23U | -- | -- |
| 25S/25E-12C01 M | 03-00-67 | 5705 | 000.6UY | -- 0.014U | 0.055U | 0.005UY | 0.042U | -- | 00.46U | 0.006U 00.05U | 0.013U 000.8U | 0.021U | -- | -- |
| 25S/25E-12B01 M | 03-00-67 | 5705 | 000.6UY | -- 00.02U | 0.035U | 0.005UY | -- | -- | -- | 0.007U 0.032U | 0.075U 006.6U | 000.1U | -- | -- |

TABLE E-2 (cont.)
TRACE MINERAL ANALYSES OF GROUND WATER

| STATE WELL NO. | DATE | LAB | AL LI | AS MN | BE MO | BI NI | BR PB | CD TI | CO V | CR ZN | CU SR | FE | GA | GE |
|-----------------|----------|------|---------------|--------------|--------------|---------------|---------------|----------|--------------|------------------|------------------|----------|----|----|
| 25S/26E-03R01 M | 03-00-67 | 5705 | 000.6UY -- | -- 00.03U | -- 0.043U | -- 0.015U | -- 0.009U | -- -- | -- 00.15U | 0.012U 0003.U | 00.08U 0006.U | 000.5U | -- | -- |
| 25S/26E-06D01 M | 03-00-67 | 5705 | 000.6UY -- | -- 0.038U | -- 00.15U | -- 0.007U | -- 0.007U | -- -- | -- 00.12U | 0.005U 0.005U | 0.021U 000.8U | 00.09U | -- | -- |
| 25S/26E-12P01 M | 09-18-67 | 5050 | -- -- | 000.1U -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- | -- |
| 25S/26E-12Q01 M | 09-18-67 | 5050 | -- -- | 000.1U -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- | -- |
| 25S/27E-08H03 M | 08-15-67 | 5050 | -- -- | 000.0U -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- | -- |
| 25S/27E-09Q01 M | 08-15-67 | 5050 | -- -- | 000.1U -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- | -- |
| 25S/27E-11Q01 M | 08-15-67 | 5050 | -- -- | 000.2U -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- | -- |
| 25S/27E-22H01 M | 08-15-67 | 5050 | -- -- | 000.1U -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- | -- |
| 25S/27E-23G01 M | 09-15-67 | 5050 | -- -- | 000.1U -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- | -- |
| 25S/27E-27G01 M | 09-19-67 | 5050 | -- -- | 000.0U -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- | -- |
| 25S/27E-28G01 M | 08-15-67 | 5050 | -- -- | 000.1U -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- | -- |
| 25S/27E-28G02 M | 08-15-67 | 5050 | -- -- | 000.0U -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- -- | -- | -- |
| 26S/25E-05C01 M | 03-00-67 | 5705 | 000.6UY -- | -- 0.025U | -- 0.032U | -- 0.012U | -- 00.02U | -- -- | -- 00.13U | 0.016U 0004.U | 0.045U 0006.U | 0.024U | -- | -- |
| 26S/25E-05P01 M | 03-00-67 | 5705 | 000.6UY -- | -- 0.017U | -- 00.02U | -- 0.008U | -- 00.08U | -- -- | -- 00.14U | 0.007U 0.175U | 000.4U 003.6U | 0.045U | -- | -- |
| 26S/25E-14P01 M | 03-00-67 | 5705 | 000.6UY -- | -- 0.016U | -- 0.051U | -- 0.005UY | -- 0.005UY | -- -- | -- 00.11U | 0.005U 0.005U | 0.007U 001.5U | 0.032U | -- | -- |
| 26S/25E-23R01 M | 03-00-67 | 5705 | 000.6UY -- | -- 0.007U | -- 0.021U | -- 0.005U | -- 0.013U | -- -- | -- 000.1U | 0.005U 0.055U | 0.027U 001.8U | 0.015U | -- | -- |





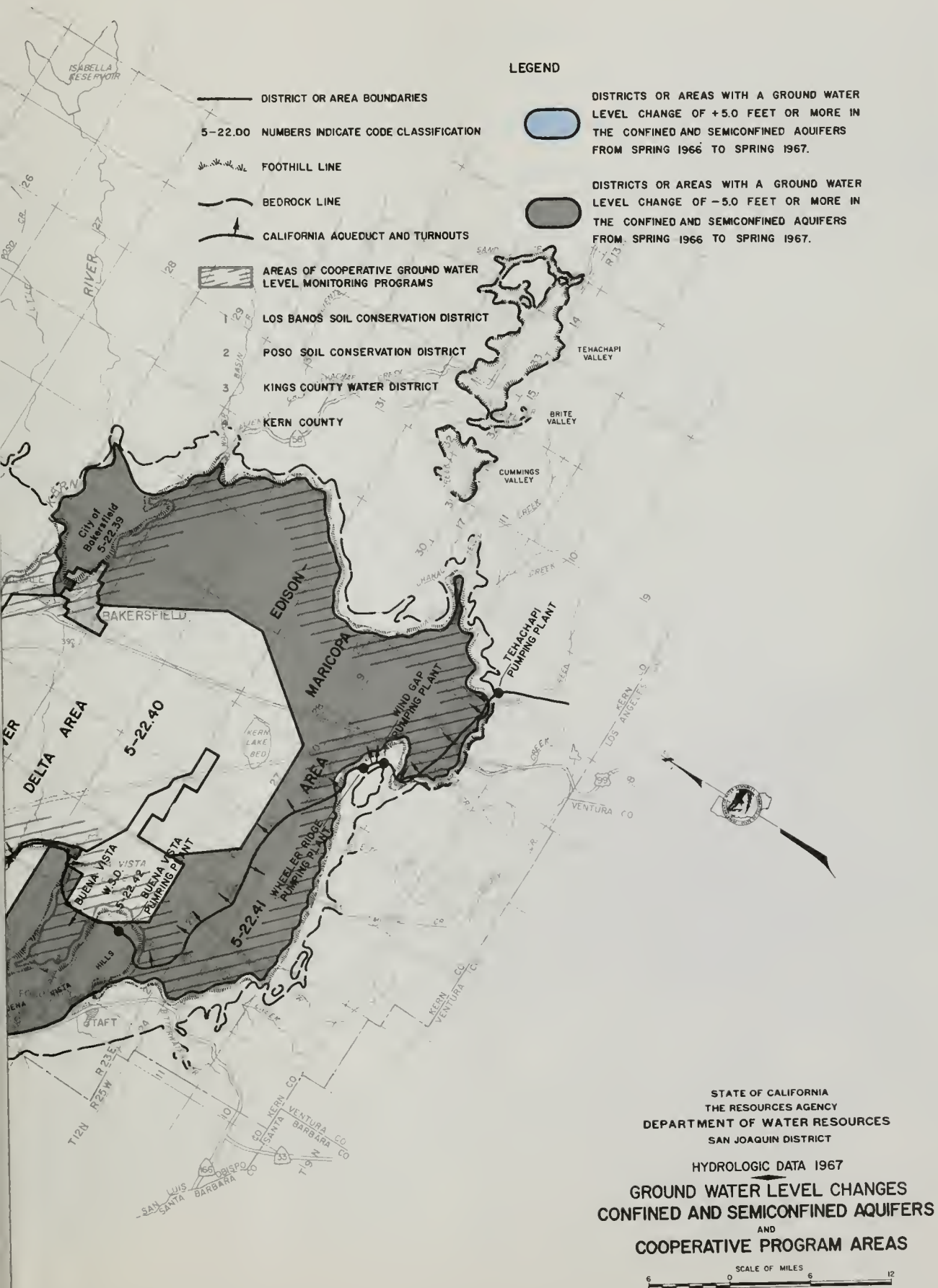
- LEGEND**
- DISTRICT OR AREA BOUNDARIES
 - 5-22-00 NUMBERS INDICATE CODE CLASSIFICATION
 - POOTHILL LINE
 - BEDROCK LINE
 - CALIFORNIA AQUICULTURE AND TURBOHOTS
 - WELLS MEASURED MONTHLY
 - WELLS MEASURED ANNUALLY AND SEMI-ANNUALLY
 - DISTRICTS OR AREAS WITH A GROUND WATER LEVEL CHANGE OF +5.0 FEET OR MORE IN THE UNCONFINED AND SEMICONFINED AQUIFERS FROM SPRING 1966 TO SPRING 1967
 - DISTRICTS OR AREAS WITH A GROUND WATER LEVEL CHANGE OF -5.0 FEET OR MORE IN THE UNCONFINED AND SEMICONFINED AQUIFERS FROM SPRING 1966 TO SPRING 1967

STATE OF CALIFORNIA
THE RESOURCE AGENCY
DEPARTMENT OF WATER RESOURCES
SAN JOAQUIN DISTRICT

HYDROLOGIC DATA 1967

GROUND WATER LEVEL CHANGES
UNCONFINED AND SEMICONFINED AQUIFERS
AND
SELECTED OBSERVATION WELLS

SCALE 1" = 50 MI.





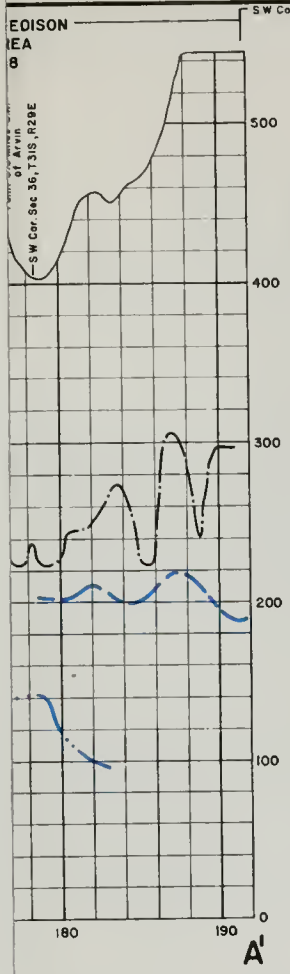
- LEGEND**
- DISTRICT OR AREA BOUNDARIES
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 - BEDROCK LINE
 - CALIFORNIA AQUEDUCT AND TURNOUTS
 - AREAS OF COOPERATIVE GROUND WATER LEVEL MONITORING PROGRAM
 - DISTRICTS OR AREAS WITH A GROUND WATER LEVEL CHANGE OF +50 FEET OR MORE IN THE CONFINED AND SEMICONFINED AQUIFERS FROM SPRING 1966 TO SPRING 1967
 - DISTRICTS OR AREAS WITH A GROUND WATER LEVEL CHANGE OF -50 FEET OR MORE IN THE CONFINED AND SEMICONFINED AQUIFERS FROM SPRING 1966 TO SPRING 1967

- LOS BANOS SOIL CONSERVATION DISTRICT
- POBO SOIL CONSERVATION DISTRICT
- KINGS COUNTY WATER DISTRICT
- KERN COUNTY

STATE OF CALIFORNIA
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DEPARTMENT OF WATER RESOURCES
SAN JOAQUIN DISTRICT

HYDROLOGIC DATA 1967
GROUND WATER LEVEL CHANGES
CONFINED AND SEMICONFINED AQUIFERS
AND
COOPERATIVE PROGRAM AREAS

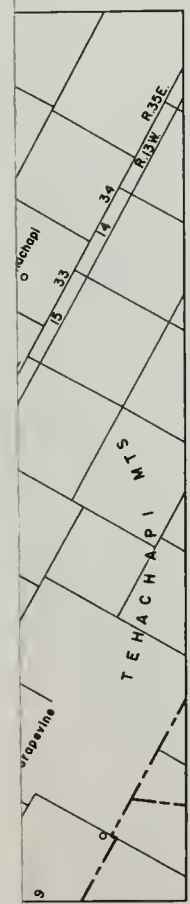
SCALE OF MAP



HISTORIC GROUND WATER AREAS

- 1 MADERA
- 2 FRESNO
- 3 CONSOLIDATED
- 4 CENTERVILLE BOTTOMS
- 5 ALTA
- 6 IVANHOE
- 7 OUTSIDE IVANHOE
- 8 MILL CREEK
- 9 TULARE
- 10 ELK BAYOU
- 11 LINDSAY-EXETER
- 12 TULE RIVER
- 13 LOWER DEER CREEK
- 14 MIDDLE DEER CREEK
- 15 DELANO-EARLHART
- 16 Mc FARLAND - SHAFTER
- 17 ROSEDALE
- 18 ARVIN-EDISON

Note: See Figure C-1 for Hydrographs of 18 Historic Ground Water Areas.

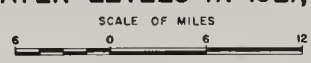


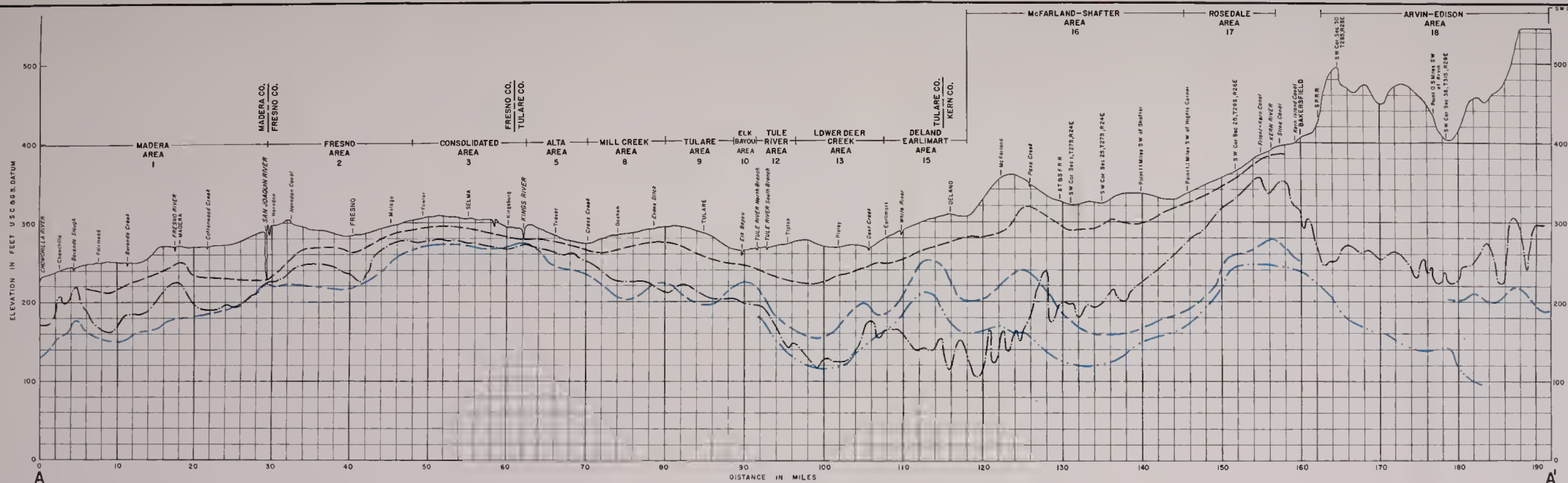
LEGEND

- GROUND WATER AREA BOUNDARIES
- GROUND WATER LEVEL FALL 1921
- GROUND WATER LEVEL FALL 1951
- GROUND WATER LEVEL SPRING 1967, UNCONFINED AQUIFER
- GROUND WATER LEVEL SPRING 1967, PRESSURE SURFACE
- GROUND WATER LEVEL PROFILE SECTION

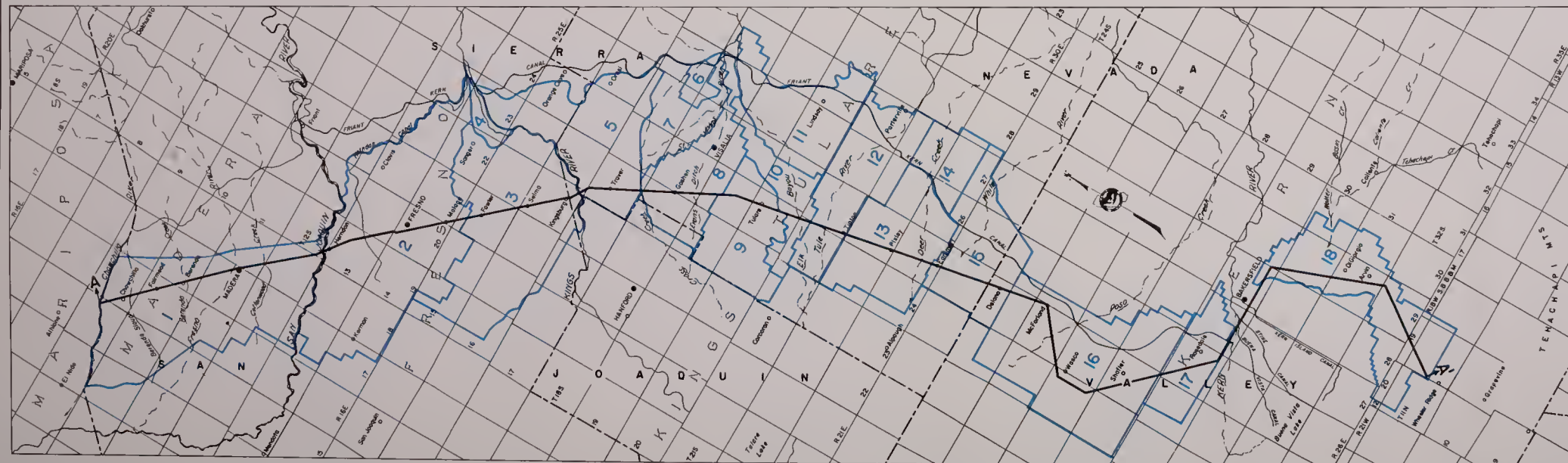
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DEPARTMENT OF WATER RESOURCES
SAN JOAQUIN DISTRICT
HYDROLOGIC DATA 1967

MAP OF 18 HISTORIC GROUND WATER AREAS IN SAN JOAQUIN VALLEY AND PROFILES ALONG SECTION A-A' SHOWING GROUND WATER LEVELS IN 1921, 1951 & 1967





- HISTORIC GROUND WATER AREAS**
- 1 MADERA
 - 2 FRESNO
 - 3 CONSOLIDATED
 - 4 CENTERVILLE BOTTOMS
 - 5 ALTA
 - 6 IVANHOE
 - 7 OUTSIDE IVANHOE
 - 8 MILL CREEK
 - 9 TULARE
 - 10 ELK BAYOU
 - 11 LINGSAY-EXETER
 - 12 TULE RIVER
 - 13 LOWER DEER CREEK
 - 14 MIDDLE DEER CREEK
 - 15 DELANO-EARLHART
 - 16 McFARLAND-SHAFTER
 - 17 ROSEDALE
 - 18 ARVIN-EDISON
- Note: See Figure C-1 for hydrographs at 18 Historic Ground Water Areas.



- LEGEND**
- GROUND WATER AREA BOUNDARIES
 - - - GROUND WATER LEVEL FALL 1921
 - - - GROUND WATER LEVEL FALL 1951
 - - - GROUND WATER LEVEL SPRING 1967, UNCONFINED AQUIFER
 - - - GROUND WATER LEVEL SPRING 1967, PRESSURE SURFACE
 - GROUND WATER LEVEL PROFILE SECTION

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HYDROLOGIC DATA 1967

**MAP OF 18 HISTORIC GROUND WATER AREAS
IN SAN JOAQUIN VALLEY
AND
PROFILES ALONG SECTION A-A' SHOWING
GROUND WATER LEVELS IN 1921, 1951 & 1967**

SCALE OF MILES
0 5 10



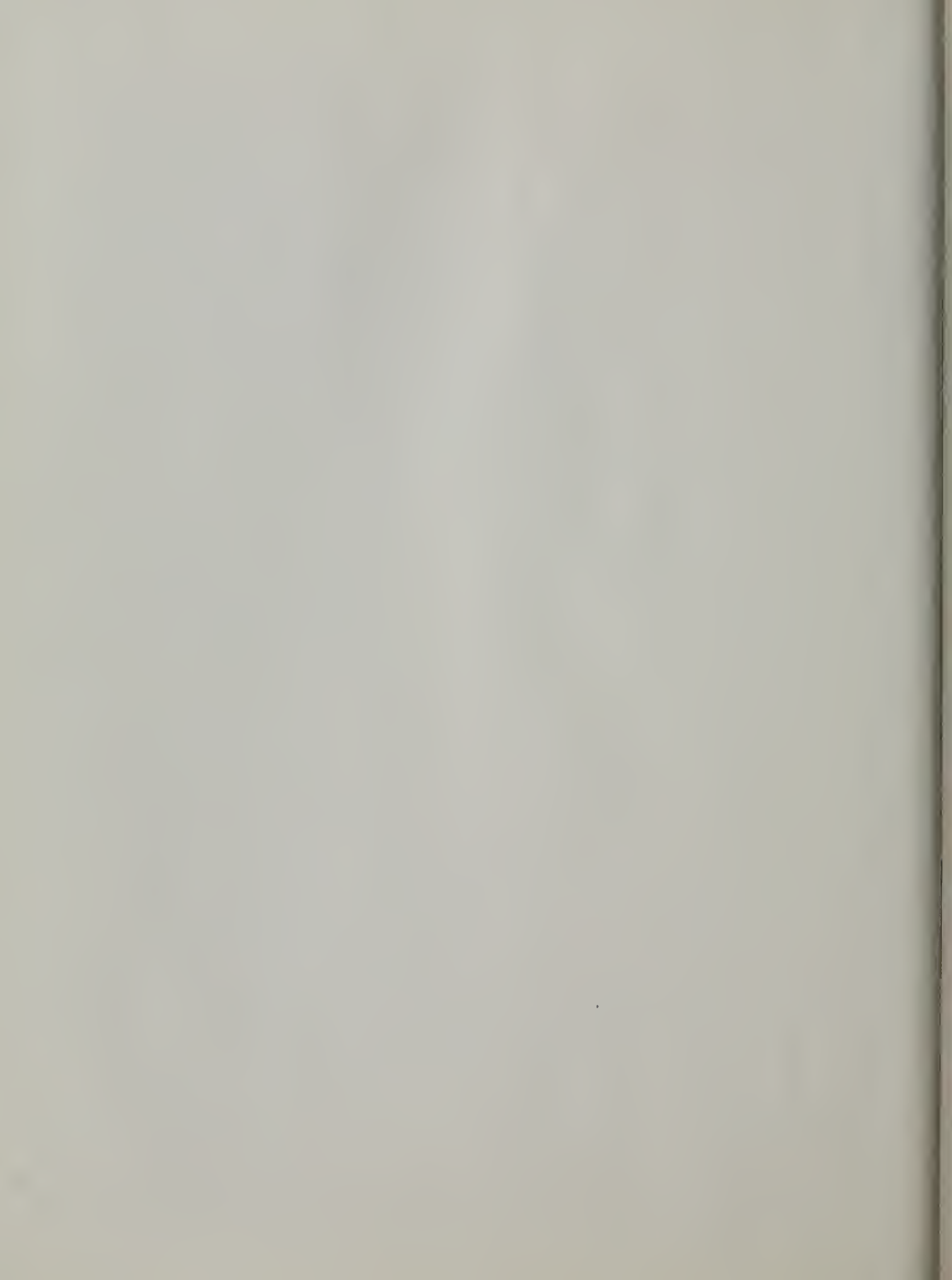




EXPLANATION
 UNDESIGNED WATER WELLS: SHOWN AS
 A DASHED LINE WITH A DOT IN THE CENTER
 DESIGNED WATER WELLS: SHOWN AS A
 DASHED LINE WITH A CROSS IN THE CENTER
 1000 FEET ELEVATION: SHOWN AS A
 DASHED LINE WITH A TRIANGLE IN THE CENTER
 500 FEET ELEVATION: SHOWN AS A
 DASHED LINE WITH A SQUARE IN THE CENTER
 200 FEET ELEVATION: SHOWN AS A
 DASHED LINE WITH A CIRCLE IN THE CENTER
 100 FEET ELEVATION: SHOWN AS A
 DASHED LINE WITH A DIAMOND IN THE CENTER
 50 FEET ELEVATION: SHOWN AS A
 DASHED LINE WITH A STAR IN THE CENTER
 25 FEET ELEVATION: SHOWN AS A
 DASHED LINE WITH A HEART IN THE CENTER
 10 FEET ELEVATION: SHOWN AS A
 DASHED LINE WITH A CROSS IN THE CENTER
 5 FEET ELEVATION: SHOWN AS A
 DASHED LINE WITH A TRIANGLE IN THE CENTER
 2 FEET ELEVATION: SHOWN AS A
 DASHED LINE WITH A SQUARE IN THE CENTER
 1 FOOT ELEVATION: SHOWN AS A
 DASHED LINE WITH A CIRCLE IN THE CENTER

STATE OF CALIFORNIA
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 SAN JOAQUIN DISTRICT
 HYDROLOGIC DATA 567
 LINES OF EQUAL ELEVATION
 OF WATER IN WELLS
 SAN JOAQUIN VALLEY
 SPRING 1967
 SCALE OF MILES

Prof. Dr. K. H. Müller



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